

Ohio Sanitarian Registration Board
May 18, 2016
77 South High Street, 19th Floor, Room 1918
Columbus, Ohio 43215
10:30 am

1. Call to Order
2. Approval of the Minutes
Action Required
3. Committee Reports
 - 3.1. Executive: James Adams, Tracy Buchanan, Gene Phillips
 - 3.2. Professional: James Adams, Tracy Buchanan,
 - 3.3. Continuing Education: Tracy Buchanan, Brian Hirsch, Gene Phillips
 - 3.4. Examination: James Adams, Chuck Hart, Keith Krinn
 - 3.5. Finance: Chuck Hart, Gene Phillips
 - 3.6. Rules: Tracy Buchanan, Keith Krinn
4. Executive Secretary Report
 - 4.1. eLicensing 3.0 Update
 - 4.2. House Bill 213 Update
 - 4.3. Revenue and Expenditure Report
5. Assistant Attorney General Report
6. Adjudication
 - 6.1. Mark A. Picknell 11:00 a.m. (Affidavit Hearing)
 - 6.2. Public Rules Hearing Rules 4736-16-03 & 4736-06-04 11:30 a.m.
7. Old Business
 - 7.1 2016 Rules Review & Recommendation
 - 7.2 NEHA Examination Passing Score
 - 7.3 Reciprocity vs. Registration as an RS in Ohio
8. New Business
 - 8.1 September 14, 2016 Meeting Date Change - Move to September 21, 2016
 - 8.2 Presentation by Victoria Holbrook – SIT to RS: Ohio Registered Sanitarian Examination Descriptive Statistics & Predictors of Passing 12:30 p.m.
9. Continuing Education
 - 9.1. Request for Approval of Hours – Individuals (CE-2)
Action Required
 - 9.2. Request for Approval of Training Agency Status (CE-3)
Action Required
 - 9.3. Request for Approval of Hours – Training Agencies (CE-4)
Action Required
10. Applications
 - 10.1 Sanitarian-in-Training Applications
Action Required

10.2 Sanitarian-in-Training Application Ratification

Action Required

10.3 Registered Sanitarian Applications

Action Required

10.4 Applications for Advancement to Registered Sanitarian

Action Required

10.5 Reinstatements

Action Required

10.6 Extension/Waiver/Accommodation Requests

Action Required

11. Guest Participation

12. Correspondence

12.1: Jessica Eilenfeld: Ms. Eilenfeld would like to ask the Board if her experience as a Meat Inspector Trainee with the Ohio Department of Agriculture will fulfill the minimum work experience requirement specified in the Ohio Revised Code. She has included her job description for the Board to review.

13. Announcements

14. Future Meeting Dates

- July 27, 2016
- September 14, 2016
- November 16, 2016

15. Adjournment

Sanitarian Registration Board
Meeting Roster
May 18, 2016

James Adams

James Adams, RS
Signature

Tracy Buchanan, Chairperson

Tracy L. Buchanan
Signature

F. Charles Hart

F. Charles Hart
Signature

Brian Hirsch

Brian Hirsch
Signature

Keith Krinn

Keith L. Krinn, RS, MA
Signature

Charles Patterson

Charles Patterson
Signature

Vacancy W. Gene Phillips, Vice Chairperson

Signature

Board Staff

W. Scott Myers, *Assistant Attorney General*

W. Scott Myers
Signature

Stephanie Youst, *Executive Secretary*

Stephanie Youst
Signature

Guests

Tyler Pigman
Print Name

Tyler Pigman
Sign Name

Amelia Staats
Print Name

Amelia Staats
Sign Name

Anna Poptic
Print Name

Anna Poptic
Sign Name

Adam Howard
Print Name

Adam Howard
Sign Name

GREG FOUCHE
Print Name

GREG FOUCHE
Sign Name

Victoria Holbrook
Print Name

Victoria Holbrook
Sign Name

Print Name

Sign Name



Sanitarian Registration Board

May 18, 2016

Room 1918

10:50 a.m.

Members Present

James Adams, R.S.
Tracy Buchanan, R.S.
F. Charles Hart, R.S.
Brian Hirsch, R.S.
Keith Krinn, R.S.
Charles Patterson, R.S.
Gene Phillips, R.S. (Absent)

Staff

Stephanie Youst, Executive Secretary

Legal Council

W. Scott Myers, Assistant Attorney General

Guests

Greg Fouche
Victoria Holbrook
Adam Howard
Tyler Pigman
Anna Poptic
Amelia Staats

Call to Order

- Tracy Buchanan, Chairperson, called the meeting to order at 10:50 a.m.

Approval of Minutes

- James Adams moved to approve the March 16, 2016 meeting minutes as submitted. Keith Krinn seconded the motion. The motion carried.

Executive Secretary Report

- Ms. Youst informed the Board that she presented at the Ohio Environmental Health Association meeting April 19, 2016 to the sanitarians regarding changes to the new licensure system. On April 20, 2016, she spoke to the SIT prep class regarding the examination and how to register for the test with the Board.
- Ms. Youst informed the Board that there are still ongoing issues with the licensure system. The implementation team has requested that she attend testing May 23-June 10, 2016 to ensure that the system changes will not affect her current system processes.
- Ms. Youst informed the Board that she has had numerous meeting and conference calls regarding issues with the current system that are still ongoing. The majority of the issues involve the continuing education module.
 - Mr. Krinn asked when individuals would be able to view CE online via their profiles. Ms. Youst informed the Board that she has not pushed to have this implemented yet for several reasons. The first reason is that there are still many ongoing issues with the current CE module that would impact how CE is viewed by individuals in the portal. The second reason is that part of the new system implementation is a portal redesign. Until the implementation team has the final portal design configured and running there really is no reason to push for this change.
- Ms. Youst informed the Board that at this time there has not been any movement on House Bill 213, which would require the Board to move to a biennial renewal process.
- The formal written reports are attached to the minutes for reference.

Assistant Attorney General Report

- Scott Myers informed the Board that he and Ms. Youst are currently reviewing the Board's policies and procedure manual to determine if any items contained in the manual need to be made into rule.
- Mr. Myers spoke to the Board about a recent Supreme Court decision coming from Virginia regarding the anti-trust lawsuit that originated in North Carolina.
 - He informed the Board that, as long as they continue to follow the rules established by the Ohio Revised and Administrative Codes and not exclude qualified individuals from the profession of environmental health, the Board should not be affected.

Adjudication

Mark A. Picknell

Action: James Adams moved to deny the sanitarian in training application for Mark A. Picknell for failure to fulfill the requirements specified in section 4736.08 of the Revised Code and rule 4736-8-01 of the Administrative Code. Brian Hirsch seconded the motion. The motion carried.

Public Rules Hearing

- The Board held a public rules hearing convening at 11:31 am regarding rules 4736-16-03 and 4736-16-04 of the Ohio Administrative Code. The hearing concluded at 11:38 am.

Old Business

2016 Rules Review & Recommendation

- The Board reviewed the rules scheduled for review in 2017.

Action: James Adams moved to file the rules as submitted and corrected. Tracy Buchanan seconded the motion. The motion carried.

NEHA Examination Passing Score

- This item was tabled until the full Board is present to discuss the issue.

Reciprocity vs. Registration in Ohio

- Scott Myers explained to Mr. Krinn and the rest of the Board that the Ohio General Assembly is the only body that has the power to grant a license. They disseminate the power they have to the Board. With that being said, reciprocity is a moot point.

New Business

September 14, 2016 Board Meeting Date

- Charles Hart informed the Board that he would be unable to attend the Board meeting on September 14, 2016 due to the OEHA Fall Northeast Conference. The Board decided to keep the date as is since the other Board members did not have a conflict.

SIT to RS: Ohio Registered Sanitarian Examination Descriptive Statistics & Predictors of Passing

- Victoria Holbrook presented her MPH practicum narrative to the Board with her findings from the survey and research she conducted regarding examination passage. A copy of Ms. Holbrook's presentation materials are attached to the minutes for reference.
- The Board was impressed with the data Ms. Holbrook was able to compile in such a short time. The Board thanked her for her hard work on this project and wished her well in her future endeavors.

Continuing Education

Individual Continuing Education Requests for Approval

Action: Tracy Buchanan moved to approve the individual applications for continuing education as submitted with the following exceptions. James Adams seconded the motion. The motion carried. The approved list is attached to the minutes for reference.

149: 18 Hours

Approved Training Agency Requests for Course Approval

Action: Tracy Buchanan moved to approve the applications for continuing education courses for approval as submitted. Brian Hirsch seconded the motion. The motion carried. The approved list is attached to the minutes for reference.

Applications

Sanitarian in Training

Action: James Adams moved to approve the following applicants for sanitarian in training registration. Chuck Hart seconded the motion. Charles Patterson abstained from voting. The motion carried.

Matthew S.
Bolenbaugh
Donald M. Cattrell

Stephen L. Dees
Kathryn M. Hamilton
Paige N. Hay

Erik R. Jennings
Nichele E. Johnson
James S. Lynch

Natasha A. Patel
Kristianna D. Pinkley
Jared R. Redmond
Jarrod A. Rich

Matthew C. Schutte
Madison Shuret
Lindsey R. Smith
Jamie L. Thompson

Nathaniel M. Tyler
Katherine L. Weyrauch

Action: James Adams requested additional information for the application submitted by Jennifer C. Coe. Chuck Hart seconded the motion. The motion carried.

Action: James Adams requested additional information for the application submitted by Danielle E. Varish. Chuck Hart seconded the motion. The motion carried.

Action: James Adams requested additional information for the application submitted by Kenneth T. Reynolds. Chuck Hart seconded the motion. The motion carried.

Action: James Adams requested additional information for the application submitted by Ashley N. Hoffman. Chuck Hart seconded the motion. The motion carried.

Registered Sanitarian

Action: James Adams moved to approve the following applicant for registration as sanitarian. Chuck Hart seconded the motion. The motion carried.

Colin D. Bishop

Advancement to Registered Sanitarian

Action: James Adams moved to approve the following applicants for registration as sanitarians. Chuck Hart seconded the motion. The motion carried.

Emily J. Anderson
Christopher B. Bragg
Kristy Lynn Boyles
Jodi M. Cline
Kevin D. Craig

Aaron T. Decker
Heather J. Decker
Jessica M. Frank
Jason L. Holleran
Jeffrey S. Lyons

Kristin N. Reed
Ana Cristina Rojas
Adam D. Schultz

Action: James Adams moved to issue the registered sanitarian license for the following individuals upon receipt of their official work experience documentation. Chuck Hart seconded the motion. The motion carried.

Beth N. Hicks

Action: James Adams proposed to deny the application for Melissa A. Vollmar for failure to meet the minimum work experience requirement. Keith Krinn seconded the motion. The motion carried.

Sanitarian Reinstatement

Action: James Adams moved to approve the sanitarian in training reinstatement for Dateesha L. Cavin. Chuck Hart seconded the motion. The motion carried.

Action: James Adams moved to approve the registered sanitarian reinstatements for the following individuals. Chuck Hart seconded the motion. The motion carried.

Charney K. Fitz

Brian C. Kimball

John R. Kollman

Correspondence

1: Jessica Eilenfeld: Ms. Eilenfeld asked the Board if her experience as a Meat Inspector Trainee with the Ohio Department of Agriculture would fulfill the minimum work experience requirement specified in the Ohio Revised Code. She included her job description for the Board to review. **Action:** The Board reviewed Ms. Eilenfeld's correspondence and determined that the experience at the Ohio Department of Agriculture would likely be applicable; however, Ms. Eilenfeld would need a supervising RS while she was performing the duties she wished to use to meet the remaining work experience needed to advance from SIT to RS.

Future Meeting Dates

The following meeting date was confirmed by the Board:

July 27, 2016
September 14, 2016

November 16, 2016

Adjournment

The meeting adjourned at 2:45 p.m.

Respectfully submitted
Stephanie K. Youst

Tracy L. Buchanan, R.S.
Tracy Buchanan, R.S., Chairperson

TB:sky


Witness



Ohio State Board of Sanitarian Registration

77 South High Street, 16th Floor

Columbus, Ohio 43215-6108

To: Sanitarian Registration Board Members
From: Stephanie Youst, Executive Secretary
Date: May 13, 2016
Re: Executive Secretary Report for March 18, 2016

Overview of Activities since the March 16, 2016 Board Meeting

- Reviewed applications for registration and continuing education credit.
- Attended meetings/conference calls regarding Sales Force licensing system on March 24, March 30, April 7, April 11, April 26, April 30 and April 16, May 4, and May 16, 2016.
- Attended the 2016 OEHA Spring Conference April 19-20, 2016.
 - Gave a general session presentation on the new licensing system and spoke to the SIT examination prep class about exam registration and the exam process.
- Attended a Boards & Commissions meeting on April 28, 2016.
- The formal expense report is attached.

Registration Census

The following table lists the number of individuals with active registrations as of May 13, 2016.

Registration Type	1/25/2016	3/8/2016	5/13/2016
Registered Sanitarian	1,181	1,128	1,139
Sanitarian in Training	261	252	271
TOTAL	1,442	1,380	1,410

Voucher ID	Acct Cat	Account	Invoice ID	Vendor	Monetary Amount	Budget Date	Invoice Date
00001063	510	510064	378860	NATIONAL ENVIRONMENTAL HEALTH	\$215.00	07-30-2015	07-27-2015
00001074	510	510064	386620	NATIONAL ENVIRONMENTAL HEALTH	\$215.00	08-20-2015	08-17-2015
00001077	510	510064	390660	NATIONAL ENVIRONMENTAL HEALTH	\$215.00	09-14-2015	08-31-2015
00001080	510	510064	389750	NATIONAL ENVIRONMENTAL HEALTH	\$1,380.00	09-16-2015	08-27-2015
00001087	510	510064	397620	NATIONAL ENVIRONMENTAL HEALTH	\$645.00	10-05-2015	09-24-2015
00001094	510	510064	402750	NATIONAL ENVIRONMENTAL HEALTH	\$215.00	10-19-2015	10-12-2015
00001095	510	510064	390660-2	NATIONAL ENVIRONMENTAL HEALTH	\$215.00	10-19-2015	10-16-2015
00001108	510	510064	412680	NATIONAL ENVIRONMENTAL HEALTH	\$430.00	11-19-2015	11-18-2015
00001114	510	510064	407750	NATIONAL ENVIRONMENTAL HEALTH	\$215.00	12-08-2015	10-29-2015
00001118	510	510064	418710	NATIONAL ENVIRONMENTAL HEALTH	\$1,150.00	01-04-2016	12-09-2015
00001142	510	510064	440410	NATIONAL ENVIRONMENTAL HEALTH	\$215.00	03-02-2016	01-26-2016
00001144	510	510064	434190	NATIONAL ENVIRONMENTAL HEALTH	\$645.00	03-03-2016	01-26-2016
00001147	510	510064	447020	NATIONAL ENVIRONMENTAL HEALTH	\$860.00	03-03-2016	02-24-2016
00001148	510	510064	452350	NATIONAL ENVIRONMENTAL HEALTH	\$1,290.00	03-03-2016	03-07-2016
00001152	510	510064	45865	NATIONAL ENVIRONMENTAL HEALTH	\$215.00	03-03-2016	03-24-2016
00001157	510	510064	46320	NATIONAL ENVIRONMENTAL HEALTH	\$1,265.00	03-03-2016	04-01-2016
00001158	510	510064	463430	NATIONAL ENVIRONMENTAL HEALTH	\$430.00	04-06-2016	04-01-2016
00001159	510	510064	462140	NATIONAL ENVIRONMENTAL HEALTH	\$215.00	04-06-2016	03-31-2016
00001164	510	510064	467660	NATIONAL ENVIRONMENTAL HEALTH	\$215.00	04-12-2016	04-11-2016
00001166	510	510064	472970	NATIONAL ENVIRONMENTAL HEALTH	\$215.00	03-03-2016	04-18-2016
00001079	510	512075	TRAVEL ON JULY 29, 2015	JAMES M ADAMS	\$131.04	09-22-2015	07-29-2015
00001143	510	512075	TRAVEL ON JULY 29, 2015	PETER THOMAS SCHADE	\$118.56	03-08-2016	08-12-2015
00001161	510	512075	TRAVEL ON JULY 29, 2015	FRANCIS CHARLES HART	\$133.12	04-11-2016	08-12-2015
00001081	510	512075	TRAVEL ON SEPT. 16, 2015	BRIAN WILLIAM HIRSCH	\$172.04	09-25-2015	09-16-2015
00001082	510	512075	TRAVEL ON SEPT. 16, 2015	KEITH L KRINN	\$27.76	09-25-2015	09-16-2015
00001083	510	512075	TRAVEL ON SEPT. 16, 2015	JAMES M ADAMS	\$131.04	09-25-2015	09-16-2015
00001084	510	512075	TRAVEL ON SEPT. 16, 2015	FRANCIS CHARLES HART	\$113.12	09-25-2015	09-16-2015
00001086	510	512075	TRAVEL ON SEPT. 16, 2015	NANCY NIEHUS	\$36.40	10-05-2015	09-16-2015
00001109	510	512075	TRAVEL ON NOV. 18, 2015	FRANCIS CHARLES HART	\$133.12	12-03-2015	11-18-2015
00001110	510	512075	TRAVEL ON NOV. 18, 2015	JAMES M ADAMS	\$131.04	12-03-2015	11-18-2015
00001111	510	512075	TRAVEL ON NOV. 18, 2015	KEITH L KRINN	\$31.76	12-03-2015	11-18-2015
00001112	510	512075	TRAVEL ON NOV. 18, 2015	BRIAN WILLIAM HIRSCH	\$172.04	12-03-2015	11-18-2015
00001113	510	512075	TRAVEL ON NOV. 18, 2015	NANCY NIEHUS	\$36.40	12-03-2015	11-18-2015
00001133	510	512075	TRAVEL ON JAN 27, 2016	FRANCIS CHARLES HART	\$133.12	02-11-2016	01-27-2016
00001134	510	512075	TRAVEL ON JAN 27, 2016	KEITH L KRINN	\$25.76	02-11-2016	01-27-2016
00001135	510	512075	TRAVEL ON JAN 27, 2016	JAMES M ADAMS	\$131.04	02-11-2016	01-27-2016
00001136	510	512075	TRAVEL ON JAN 27, 2016	BRIAN WILLIAM HIRSCH	\$169.04	02-11-2016	01-27-2016

00001154	510	512075	TRAVEL ON MARCH16, 2016	KEITH L KRINN	\$25.76	04-06-2016	03-16-2016
00001155	510	512075	TRAVEL ON MARCH 16, 2016	FRANCIS CHARLES HART	\$133.12	04-06-2016	03-16-2016
00001156	510	512075	TRAVEL ON MARCH 16, 2016	BRIAN WILLIAM HIRSCH	\$157.04	04-06-2016	03-16-2016

Total Spend in 5100 as of 4/30/2016

\$12,602.32

Voucher ID	Acct Cat	Account	Invoice ID	Vendor	Monetary Amount	Budget Date	Invoice Date
00001059	520	527751	5R4765	DEPARTMENT OF ADMINISTRATIVE SERVICES	\$15.94	06-13-2015	07-20-2015
00001060	520	527751	OPI210913	DEPARTMENT OF REHABILITATION	\$514.00	04-22-2015	07-23-2015
00001061	520	527751	5UN345	DEPARTMENT OF ADMINISTRATIVE SERVICES	\$454.57	06-13-2015	07-27-2015
00001062	520	527751	5UP374	DEPARTMENT OF ADMINISTRATIVE SERVICES	\$19.09	06-13-2015	07-27-2015
00001064	520	527751	6AC128	DEPARTMENT OF ADMINISTRATIVE SERVICES	\$1,134.50	08-03-2015	07-29-2015
00001065	520	527751	BILL187630	AUDITOR OF STATE	\$164.80	08-06-2015	08-03-2015
00001070	520	529066	M5212104886	KEYBANK NATIONAL ASSOCIATION	\$108.60	08-20-2015	08-17-2015
00001071	520	529066	M5181104864	KEYBANK NATIONAL ASSOCIATION	\$40.70	08-20-2015	08-17-2015
00001072	520	529066	M5151104894	KEYBANK NATIONAL ASSOCIATION	\$11.23	08-20-2015	08-17-2015
00001073	520	529066	M5120105047	KEYBANK NATIONAL ASSOCIATION	\$10.15	08-20-2015	08-17-2015
00001069	520	524067	574936920150810	CINCINNATI BELL ANY DISTANCE INC	\$26.66	08-18-2015	08-10-2015
00001075	520	521050	13818	HINES & ASSOCIATES	\$132.75	09-14-2015	08-26-2015
00001076	520	526052	16147	GREENE INC	\$30.00	09-14-2015	08-31-2015
00001078	520	524067	574936920150910	CINCINNATI BELL ANY DISTANCE INC	\$24.08	09-17-2015	09-10-2015
00001085	520	527751	151330893706E	DEPARTMENT OF ADMINISTRATIVE SERVICES	\$11.97	09-25-2015	09-25-2015
00001089	520	527751	BILL189085	AUDITOR OF STATE	\$698.25	10-08-2015	10-08-2015
00001091	520	527751	BILL190680	AUDITOR OF STATE	\$498.75	10-13-2015	10-13-2015
00001088	520	527751	6AK025	DEPARTMENT OF ADMINISTRATIVE SERVICES	\$902.03	10-07-2015	10-07-2015
00001090	520	527751	161330893707	DEPARTMENT OF ADMINISTRATIVE SERVICES	\$215.50	10-08-2015	10-08-2015
00001093	520	524067	574936920151010	CINCINNATI BELL ANY DISTANCE INC	\$29.20	10-16-2015	10-10-2015
00001092	520	527751	6MF033	DEPARTMENT OF ADMINISTRATIVE SERVICES	\$1,908.53	10-15-2015	10-15-2015
	520	523600	0900508980	T & E / YOUST-GIANNINI,STEPHANIE K	\$74.88		
	520	523600	0900508980	T & E / YOUST-GIANNINI,STEPHANIE K	\$111.80		
00001104	520	521050	13827	HINES & ASSOCIATES	\$64.50	11-02-2015	10-13-2015
00001096	520	527751	SAN102315	ETHICS COMMISSION	\$60.00	10-23-2015	10-23-2015
00001097	520	527751	154P30893705	DEPARTMENT OF ADMINISTRATIVE SERVICES	\$116.00	06-13-2015	10-23-2015
00001098	520	527751	6AC160	DEPARTMENT OF ADMINISTRATIVE SERVICES	\$786.09	10-23-2015	10-23-2015
00001099	520	527751	6UP085	DEPARTMENT OF ADMINISTRATIVE SERVICES	\$36.47	10-26-2015	10-26-2015
00001100	520	527751	6UN035	DEPARTMENT OF ADMINISTRATIVE SERVICES	\$853.03	10-26-2015	10-26-2015
00001101	520	527751	151330893705B	DEPARTMENT OF ADMINISTRATIVE SERVICES	\$124.00	06-13-2015	10-26-2015
00001103	520	527751	151330893706B	DEPARTMENT OF ADMINISTRATIVE SERVICES	\$124.00	06-13-2015	10-29-2015
00001105	520	527751	BILL192495	AUDITOR OF STATE	\$1,230.25	11-05-2015	11-05-2015

00001107	520	524067	574936920151110	CINCINNATI BELL ANY DISTANCE INC	\$26.73	11-16-2015	11-10-2015
00001115	520	527053	69TH ANNUAL EDUCATION CONF.	OHIO ENVIRONMENTAL HEALTH ASSOCIATION	\$125.00	12-08-2015	12-07-2015
00001117	520	526052	16481	GREENE INC	\$30.00	12-28-2015	11-30-2015
00001116	520	524067	574936920151210	CINCINNATI BELL ANY DISTANCE INC	\$28.27	12-15-2015	12-10-2015
00001119	520	524067	574936920160110	CINCINNATI BELL ANY DISTANCE INC	\$28.72	01-13-2016	01-10-2016
00001120	520	527751	16-1330-SAN01-01-M1	DEPARTMENT OF ADMINISTRATIVE SERVICES	\$95.04	01-20-2016	01-20-2016
00001122	520	521050	13838	HINES & ASSOCIATES	\$70.50	01-27-2016	01-22-2016
00001121	520	527751	161330893701	DEPARTMENT OF ADMINISTRATIVE SERVICES	\$190.49	01-21-2016	01-21-2016
00001123	520	527751	6MF069	DEPARTMENT OF ADMINISTRATIVE SERVICES	\$1,908.53	01-28-2016	01-28-2016
00001124	520	527751	6UP180	DEPARTMENT OF ADMINISTRATIVE SERVICES	\$6.50	01-28-2016	01-28-2016
00001125	520	527751	OSS162SAN	OFFICE OF BUDGET & MANAGEMENT	\$8.50	02-01-2016	02-01-2016
00001127	520	529066	M6031105064	KEYBANK NATIONAL ASSOCIATION	\$595.51	02-11-2016	01-31-2016
00001128	520	529066	M5365105045	KEYBANK NATIONAL ASSOCIATION	\$353.97	02-11-2016	12-31-2015
00001129	520	529066	M5334105106	KEYBANK NATIONAL ASSOCIATION	\$50.37	02-11-2016	11-30-2015
00001130	520	529066	M5304105316	KEYBANK NATIONAL ASSOCIATION	\$37.44	02-11-2016	10-31-2015
00001131	520	529066	M5273105528	KEYBANK NATIONAL ASSOCIATION	\$46.07	02-11-2016	09-30-2015
00001132	520	529066	M5243104985	KEYBANK NATIONAL ASSOCIATION	\$39.77	02-11-2016	08-31-2015
00001126	520	527751	6UN135	DEPARTMENT OF ADMINISTRATIVE SERVICES	\$199.05	02-04-2016	02-04-2016
00001137	520	527751	6AC192	DEPARTMENT OF ADMINISTRATIVE SERVICES	\$975.31	02-16-2016	02-16-2016
00001138	520	524067	574936920160210	CINCINNATI BELL ANY DISTANCE INC	\$26.97	02-22-2016	02-10-2016
00001139	520	527751	16133T893708	DEPARTMENT OF ADMINISTRATIVE SERVICES	\$124.00	03-02-2016	03-02-2016
00001140	520	527751	16133T893709	DEPARTMENT OF ADMINISTRATIVE SERVICES	\$124.00	03-02-2016	03-02-2016
00001141	520	527751	16133T893707	DEPARTMENT OF ADMINISTRATIVE SERVICES	\$124.00	03-02-2016	03-02-2016
00001145	520	526052	16805	GREENE INC	\$30.00	03-09-2016	02-29-2016
00001146	520	521050	13844	HINES & ASSOCIATES	\$73.75	03-09-2016	03-08-2016
00001149	520	529066	M6060105114	KEYBANK NATIONAL ASSOCIATION	\$95.13	03-17-2016	02-29-2016
00001150	520	524067	574936920160310	CINCINNATI BELL ANY DISTANCE INC	\$26.72	03-17-2016	03-10-2016
00001151	520	527751	16133T893710	DEPARTMENT OF ADMINISTRATIVE SERVICES	\$372.00	03-25-2016	03-25-2016
00001153	520	527751	SAN33116	ETHICS COMMISSION	\$540.00	03-31-2016	03-31-2016
00001160	520	527751	161330893704	DEPARTMENT OF ADMINISTRATIVE SERVICES	\$168.85	04-07-2016	04-07-2016
00001165	520	524067	574936920160410	CINCINNATI BELL ANY DISTANCE INC	\$26.68	04-14-2016	04-10-2016
00001168	520	529066	M6091104991	KEYBANK NATIONAL ASSOCIATION	\$82.57	04-22-2016	03-31-2016

Total Spend in 520 as of 4/30/2016

\$17,162.76

Voucher ID	Acct Cat	Account	Invoice ID	Vendor	Monetary Amount	Budget Date	Invoice Date
00001163	530	537151	2K16-03-21	INFOVISION21 INC	\$1,029.00	03-03-2016	03-29-2016
00001162	530	521053	2K16-03-22	INFOVISION21 INC	\$1,578.00	03-03-2016	04-04-2016

Total Spend in 530 as of 4/30/2016

\$2,607.00



State of Ohio

State Board of Sanitarian Registration
77 South High Street
16th Floor
Columbus, Ohio 43215-6108
E-mail: stephanie.youst@exchange.state.oh.us
Web Address: <http://sanitarian.ohio.gov>

To: Board Members

From: Stephanie Youst, Executive Secretary 

Re: NEHA Registered Environmental Health Specialist/Registered Sanitarian (REHS/RS)
Exam Results from December 3, 2015

Date: April 12, 2016

10 candidates took the examination on December 3, 2015. Of the 10 candidates, 40% passed (4).

7 candidates took the examination for the first time. Of the 7 candidates, 43% passed (3).

3 candidates took the examination for the second or greater time. Of those 3 candidates, 33% passed (1).

Exam	Date	Number of Candidates	Pass Point	% of Passing
REHS/RS	3/27/13	21	70%	19%
REHS/RS	7/30/13	17	70%	41%
REHS/RS	12/3/13	17	70%	35%
REHS/RS	2/20/14	9	70%	33%
REHS/RS	5/15/14	15	70%	27%

REHS/RS	8/21/14	18	Scaled 70% (657)	56%
REHS/RS	12/4/14	10	Scaled 70% (657)	50%
REHS/RS	2/27/15	9	Scaled 70% (657)	44%
REHS/RS	5/7/2015	12	Scaled 70% (657)	33%
REHS/RS	8/20/2015	12	Scaled 70% (657)	25%
REHS/RS	12/3/2015	10	Scaled 70% (657)	40%



State of Ohio

State Board of Sanitarian Registration
77 South High Street
16th Floor
Columbus, Ohio 43215-6108
E-mail: stephanie.youst@exchange.state.oh.us
Web Address: <http://sanitarian.ohio.gov>

To: Board Members

From: Stephanie Youst, Executive Secretary 

Re: NEHA Registered Environmental Health Specialist/Registered Sanitarian (REHS/RS)
Exam Results from March 25, 2016

Date: April 12, 2016

11 candidates took the examination on March 25, 2016. Of the 11 candidates, 55% passed (6).

9 candidates took the examination for the first time. Of the 9 candidates, 67% passed (6).

2 candidates took the examination for the second or greater time. Of those 0 candidates, 0% passed (0).

Exam	Date	Number of Candidates	Pass Point	% of Passing
REHS/RS	3/27/13	21	70%	19%
REHS/RS	7/30/13	17	70%	41%
REHS/RS	12/3/13	17	70%	35%
REHS/RS	2/20/14	9	70%	33%
REHS/RS	5/15/14	15	70%	27%

REHS/RS	8/21/14	18	Scaled 70% (657)	56%
REHS/RS	12/4/14	10	Scaled 70% (657)	50%
REHS/RS	2/27/15	9	Scaled 70% (657)	44%
REHS/RS	5/7/2015	12	Scaled 70% (657)	33%
REHS/RS	8/20/2015	12	Scaled 70% (657)	25%
REHS/RS	12/3/2015	10	Scaled 70% (657)	40%
REHS/RS	3/25/2016	11	Scaled 70% (657)	55%

**Before the State of Ohio
Board of Sanitarian Registration**

In Re:
The eligibility of Mark A. Picknell
to practice as a registered sanitarian in training
in the State of Ohio:

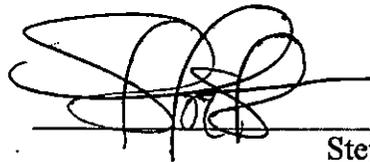
2016-R-01

AFFIDAVIT

I, Stephanie K. Youst, the undersigned, first being duly sworn and cautioned, state the following:

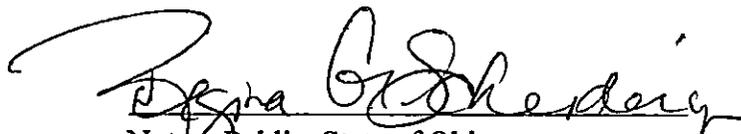
1. I am employed by the State of Ohio Board of Sanitarian Registration (Hereinafter "Board"), 77 South High Street, 16th Floor, Columbus, Ohio 43215-6108.
2. My position with the Board is Executive Secretary. As part of my duties as Executive Secretary, I am familiar with the laws and rules governing the practice of environmental health in Ohio and have access to the Board's business files.
3. I am familiar with and have reviewed the Board's file for applicant Mark A. Picknell.
4. On September 25, 2015, Mr. Picknell submitted the following: an application for registration as a sanitarian in training in the state of Ohio, transcripts from the University of Toledo (official), course descriptions from the University of Toledo, transcripts from the University of Cincinnati (official), course descriptions from the University of Cincinnati, transcripts from Ashland University (official) and course descriptions from Ashland University. See Exhibit 1.
5. On November 20, 2015 the Board issued a letter to Mr. Picknell requesting additional information via certified mail. Ms. Youst also communicated with Mr. Picknell via email regarding this item. See Exhibit 2.
6. On March 24, 2016, the Board issued a "Notice of Opportunity for Hearing" (Hereinafter "Notice") alleging that Mr. Picknell had only completed only 13.67 of the required 30 semester hours leaving him deficient by 16.33 semester hours via certified mail. See Exhibit 3.
7. Mr. Picknell was required to request a hearing within thirty (30) days of the mailing date of the notice. He failed to request a hearing within the thirty (30) day time period.
8. On February 9, 2016 the Board sent Mr. Picknell a letter informing him of today's hearing. See Exhibit 4.
9. The attached exhibits, 1-4, were created or received in the ordinary course of business and are true and accurate copies of the originals kept in the ordinary course of business at the Board's office.

FURTHER AFFIANT SAYETH NAUGHT



Stephanie K. Youst

Sworn to & subscribed in my presence this 13th day of May, 2016.


Notary Public, State of Ohio

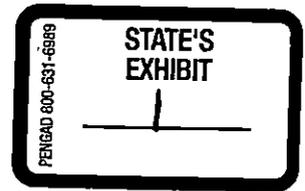
9-16-2017
My Commission Expires

Regina G. Scheiderer
Notary Public, State of Ohio
My Commission Expires 9-16-2017



Application for SIT Registration

State Board of Sanitarian Registration
 77 South High Street, 16th Floor
 Columbus, Ohio 43215-6108
 Website: <http://sanitarian.ohio.gov>
 E-mail: stephanie.youst@exchange.state.oh.us



Sanitarian in Training: \$80.00

The Board accepts Visa, Master Card and Discover. Application fees are non-refundable.

Applicant Information (Please Print or Type)

Name Mark A. Picknell	Home Phone w/ Area Code (614) 271-2045
Permanent Mailing Address 1465 White Ash Drive	City, State, Zip Columbus, OH 43204
Name of Employer N/A	Business Phone w/ Area Code and Extension
Business Address	City, State, Zip
Social Security Number *	E-mail Address mark.picknell@aol.com

*The Board reviews all applications pursuant to ORC 3123.50 for potential disclosure to state and local child support enforcement agencies.

Have you ever been convicted of a felony? ***If you do, please provide the Board with a signed statement describing the details of the event(s) that led to the felony conviction and certified copies of all court records relative to or concerning the conviction(s). Failure to provide these documents will result in a delay in the processing of your applications. If you have any questions about this requirement, please contact the Board at 614-466-1772 or stephanie.youst@exchange.state.oh.us.*

Have you ever been denied sanitarian registration by this or any other state?

Are you currently registered as a sanitarian in any other state?

If yes, please list the state(s), date(s) of registration, and registration number(s):

Education

Credit for degree(s) and coursework claimed below must be supported by an official transcript, or review of your application will be delayed. The coursework requirement is specified in rule 4736-8-01 of the Ohio Administrative Code, which is available for you to download and review on the Board website (<http://sanitarian.ohio.gov>). Incomplete applications will not be considered by the Board.

College/University	City and State	Dates Attended		Degree(s) Granted and Major
		To:	From:	
Ashland Univ.	Ashland, OH	5/11/89	8/29/84	MBA - Executive Management
Univ. of Toledo	Toledo, OH	12/79	9/77	BBA - Marketing
Univ. of Cine.	Cincinnati, OH	6/77	9/75	transfer to Toledo

If the degree(s) granted was in environmental health from a program accredited by the National Environmental Health Science and Protection Accreditation Council, (EHAC), please answer the following questions:

Did you complete an internship program?	Yes	<input checked="" type="radio"/> No
If "Yes", please list the dates of the internship.	From	RECEIVED
Did you receive college credit for completion of the internship program?	Yes	<input type="radio"/> No

SEP 25 2015

Employment History

(Only Complete the Employment History If Employed In The Field of Environmental Health)

Current Employer	From	To
Title or Position	Full-Time	Part-Time
Detailed Description of Job Duties and Work Performed (** List full time or part-time employment. If you were employed part-time, please list the number of hours worked per week during your employment**)		

Previous Employer	From	To
Title or Position	Full-Time	Part-Time
Detailed Description of Job Duties and Work Performed (** List full time or part-time employment. If you were employed part-time, please list the number of hours worked per week during your employment**)		

For additional information regarding your employment, please attach an additional sheet of paper or a resume. Completion of this form is required by Section 4736.08 of the Ohio Revised Code.

To be completed before a Notary Public:

Signature of Registrant: _____



Sworn to and signed before me this 25th
day of September, 20 15.



SPYROS MESSAROS
Notary Public, State of Ohio
My Commission Expires
June 5, 2018

Signature of Notary Public
My Commission Expires: June 5, 2018

NAME PICKNELL, MARK ALAN

DATE OF BIRTH 11/08/57

STUDENT ID NO. [REDACTED]
DATE OF ISSUE 06/23/84

COURSE NUMBER	TITLE	HRS ATT	GRADE	HOURS EARNED	QUALITY POINTS
---------------	-------	---------	-------	--------------	----------------

COURSE NUMBER	TITLE	HRS ATT	GRADE	HO EAF
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UNDERGRADUATE ACADEMIC RECORD

BACH. OF BUSINESS ADMIN. AWARDED 12/79
TOLEDO UNIVERSITY OF
COLLEGE: BUSINESS
MAJOR: MARKETING

TRANSFER CREDIT: UNIV OF CINCIN MAIN CAM
UNDERGRAD CR ACCEPTED 00/75-00/77 74.0

----- 1977 FALL -----
COLLEGE: BUSINESS
PROGRAM: BB UNDECIDED

ENGL 270 INTERP LIT	A	5.0	20.0
MATH 127 ESSENTIALS MATH II	B	4.0	12.0
PSC 120 AMERICAN NATIONAL GOVT	B	5.0	15.0
CURRENT: ERN QHR QPTS GPA			
		14.0	14.0 47.0 3.357

----- 1977-78 WINTER -----

ASTR 105 PLANET ASTRON	B	3.0	9.0
MANT 211 BUSINESS COMM	A	4.0	16.0
MKTG 347 NATIONAL INCCME ECONOMIC	C	4.0	8.0
CSPM 217 INTRO QUAN BUS ANALYSIS	B	4.0	12.0
PED 100 BEGINNING SPORTS-1 CR	PS	1.0	
SPECIALTY: BEGINNING BADMINTON			
CURRENT: ERN QHR QPTS GPA			
		16.0	15.0 45.0 3.000

----- 1978 SPRING -----

CLC 101 CLASS HUMANITIES	B	3.0	9.0
MKTG 327 MARKETING SYSTEMS	B	4.0	12.0
CSPM 218 INTRO BUS & ECON ANALYS	C	4.0	8.0
BIOL 114 BIOL ASP HUMAN CONSC	B	3.0	9.0
CURRENT: ERN QHR QPTS GPA			
		14.0	14.0 38.0 2.714

----- 1978 FALL -----

FIN 304 CORPORATION FINANCE	C	4.0	8.0
MKTG 312 INTRO TO INTERNATL BUS	C	4.0	8.0
CSPM 320 PRODUCTION PRINCIPLES	D	4.0	4.0
MANT 322 HUMAN RESOURCES MGMT	B	4.0	12.0
CURRENT: ERN QHR QPTS GPA			
		16.0	16.0 32.0 2.000

----- 1978-79 WINTER -----

MANT 419 BUSINESS POLICY	B	4.0	12.0
FIN 305 CORPORATION FINANCE	4.0	W	
MKTG 330 MARKETING MANAGEMENT	B	4.0	12.0
HEAL 365 DEATH & DYING	A	4.0	16.0
CURRENT: ERN QHR QPTS GPA			
		12.0	12.0 40.0 3.333

----- 1979 SPRING -----
COLLEGE: BUSINESS
PROGRAM: BB MARKETING

MKTG 314 INTER DISTRIBUTION MGMT	B	4.0
MKTG 385 BUYER BEHAVIOR	C	4.0
MKTG 412 MARKETING CHANNELS	B	4.0
HEAL 353 PREV CONTROL OF DISEASES	4.0	W
CURRENT: ERN QHR QPTS GPA		
	12.0	12.0 32.0 2.666

----- 1979 SUMMER -----

FIN 305 CORPORATION FINANCE	D	4.0
MKTG 388 MARKETING RES	C	4.0
CLC 272 MYTHOLOGY	B	3.0
CURRENT: ERN QHR QPTS GPA		
	11.0	11.0 21.0 1.909

----- 1979 FALL -----
HIST 101 WORLD TRADITIONS B 5.0
SPECIALTY: SHAPING OF AMERICA

MKTG 328 SOC CONCERN&PUB POL MKTG	B	4.0
MKTG 371 SELLING & SALES MGT	A	4.0
MKTG 413 MRKTG PROBLEMS	B	4.0
PED 100 BEGINNING SPORTS-1 CR	PS	1.0
SPECIALTY: BEGINNING BOWLING		
CURRENT: ERN QHR QPTS GPA		
	18.0	17.0 55.0 3.235
CUMULATIVE: 187.0 111.0 310.0 2.792		

10 QTR = 6.67 Sem

STUDENT COPY

This copy of the student's permanent record becomes an official transcript when it bears an embossed university seal and the Recorder's signature. Student is placed on probation if point average is below 2.00 (C average).

The following undergraduate non prerequisite courses completed at the University of Toledo are math related. Courses are listed in chronological order of completion from the University of Toledo Transcript:

CSPM 217 INTRO QUAN BUS ANALYSIS - 1977-78 Winter Quarter

CSPM 218 INTRO BUS & ECON ANALYS – 1978 Spring Quarter

FIN 304 CORPORATION FINANCE – 1978 Fall Quarter

FIN 305 CORPORATION FINANCE – 1979 Summer Quarter

Descriptions for the above listed courses are on the following two pages. Course descriptions are from the 1977 – 1979 University of Toledo College of Business Administration course catalog.

30 COURSES/OPERATIONS ANALYSIS

- 387—ADVERTISING COPY, MEDIA AND LAYOUT.** 4 hours. Prerequisite: 369. A laboratory type course in which the student studies and actually prepares advertising for magazines, newspapers, television and other media. Visualizing techniques and principles for stimulating creative thinking are considered. (1977-78: Fall, N; Spring, N) 260:387
- 398—MARKETING RESEARCH.** 4 hours. Prerequisite: 327. Fundamentals of marketing research and marketing information systems. Attention will be devoted to experimental design, data collection forms, scaling, sampling, and statistical techniques. (1977-78: Fall, D; Winter, N; Spring, D); (1978-79: Fall, D/N; Winter, Spring, N) 260:388
- 411—CURRENT PROBLEMS IN INTERNATIONAL BUSINESS.** 4 hours. Prerequisite: 312 and senior standing. Analysis of current problems in the field of international trade and foreign business operations. Emphasis upon independent research and reporting by the student. (1977-78: Spring, N) 260:411
- 412—MARKETING CHANNELS.** 4 hours. Prerequisite: 327 or permission of instructor. An examination of the economic and functional aspects of market structure including dimensions of a market, transactions and systems, and the role and importance of various marketing institutions. (1977-78: Fall, D; Spring, N); (1978-79: Fall, D/N; Winter, D; Spring, N) 260:412
- 413—MARKETING PROBLEMS.** 4 hours. Prerequisite: 327, 330 and 8 additional hours of marketing. Primary emphasis upon development of the analytical and decision-making skills of the marketing manager. A case course emphasizing analysis of current marketing problems and development of marketing strategies. (1977-78: Fall, D; Winter, N; Spring, N); (1978-79: Fall, N; Winter, D; Spring, N) 260:413
- 416—TRANSPORT ECONOMICS AND PUBLIC POLICY.** 4 hours. Prerequisite: 313. This course covers the theories of transport competition, consolidation, coordination, integration, rate-making, and regulations as they relate to individual modes of transportation. Attention will be given to major problems affecting the transport sector of the economy. (1977-78: Spring, N); (1978-79: Spring, D) 260:416
- 418—LOGISTICS DECISION TECHNIQUES.** 4 hours. Prerequisite: 313 and senior standing. Application of economic and quantitative decision-making techniques to the analysis and design of logistics systems for business firms. (1977-78: Winter, D); (1978-79: Winter, N) 260:418
- 426—CONTEMPORARY MARKETING PROBLEMS.** 4 hours. Prerequisite: 327, 380 and 8 additional hours in marketing. Students work directly on actual marketing problems with business or service organizations. (1977-78: Fall, D) 260:426
- 430—READINGS AND RESEARCH.** 1-4 hours. Prerequisite: senior standing and permission of instructor. Student will do readings or independent research on special topics in marketing, e.g., segmentation, structure analysis, social concerns, public policy, small business problems, advertising, or information systems. (1977-78: To be arranged.) 260:430

OPERATIONS ANALYSIS

- 216—INTRODUCTION TO COMPUTER PROGRAMMING.** 4 hours. An introduction to the BASIC programming language, time-sharing plus its use in business, data processing concepts and programming of typical business problems. (1977-79: All quarters, D/N) 284:216
- 217—INTRODUCTION TO QUANTITATIVE BUSINESS ANALYSIS.** 4 hours. Prerequisite: Math 127. An introduction to the methods of collection, tabulation, presentation, and analysis of numerical data including frequency distributions, measures of central tendency and dispersion, construction of tables and graphs, indexes, time series analysis, and probability distributions. (1977-78: All quarters, D/N) 284:217
- 218—INTRODUCTION TO BUSINESS AND ECONOMICS STATISTICS.** 4 hours. Prerequisite: 217. Continuation of 217. Included is a study of statistical inference, tests of hypotheses, statistical quality control, analysis of variance, simple and multiple regression and correlation, decision theory, and Bayes and revised probabilities. (1977-78: All quarters, D/N) 284:218
- 219—BUSINESS PROGRAMMING.** 4 hours. Prerequisite: 216. An introduction to business data processing as related to medium and large computer systems. COBOL programming is included. (1977-79: Fall, N) 284:219
- 220—INTERMEDIATE COMPUTER PROGRAMMING.** 4 hours. Prerequisite: 216. A continuation of the study of programming tasks, concepts and principles. Quantitative business problems will be solved by employing the programming languages BASIC and FORTRAN. (1977-79: Spring, N) 284:220

FINANCE

General prerequisite for the following courses: admission to the Upper Division

- 304—CORPORATION FINANCE.** 4 hours. Prerequisite: Acct. 150, 190. Explores the functions and objectives of financial management of business enterprises. Considers the tools, techniques, and underlying theory essential to proper financial management, planning and control. Emphasizes both short and long-term corporate capital investment and the acquisition and management of short-term capital requirements. (All quarters, D/N) 284:304
- 305—CORPORATION FINANCE.** 4 hours. Prerequisite: 304. In conjunction with 304, this course completes the functions and objectives of corporate financial management. Exogenous variables that affect financial decision making are also explored. Emphasis is on capital structure and capital costs, money and banking, corporate securities, dividend policy, and mergers. (All quarters, D/N) 284:305
- 306—PERSONAL FINANCE.** 4 hours. A course designed for the non-finance major desiring to improve the management of personal finances. All aspects of finance that an individual is likely to face will be discussed. Specific topics include credit buying and borrowing, insurance, home ownership, stock and bond investment, mutual funds, income taxes, and estate planning. The course will emphasize a realistic approach to these topics. Credit will not count toward the finance major for students majoring in finance, but does count as a college elective for all students within the College of Business Administration. (Fall, Winter, D; Spring, N; Summer, D) 248:306
- 307—PUBLIC FINANCE.** 4 hours. Prerequisite: Econ. 202. The theoretical principles underlying the U.S. tax structure, including the incidence, revenue-raising, and regulatory functions of taxation. Federal, state, and local taxation, as applied to income, property, commodities, estates, and other objects of taxation are included. Government monetary, debt, and fiscal policies are studied with special emphasis upon their use in promoting employment and growth, and in preventing inflation. (Winter, N) 248:307
- 348—INVESTMENTS.** 4 hours. Fundamental principles of investment, characteristics of investment media, types of investment risks and rewards, operation and regulation of markets; the analysis of investment requirements, and types of investment strategies. (Summer, Fall, Winter, D; Spring, N) 248:348
- 389—ADVANCED CORPORATE FINANCE.** 4 hours. Prerequisite: 305. Designed to give the student increased depth in both short and long-term financial analysis, planning, and decision making. Topics include the management of working capital, cash budgeting, capital budgeting, and long-term financing. (Winter, N) 248:389
- 390—RISK MANAGEMENT.** 4 hours. A comprehensive course which considers the nature and orientation of non-speculative risks and the methods of treating them, with major emphasis on the insurance mechanism. The impact of these risks on public policy is also discussed, as are the primary functional aspects of insurance operations. (Fall, N) 248:390
- 391—LIFE AND HEALTH INSURANCE.** 4 hours. Prerequisite: 390 recommended. Combines a discussion of the economic aspects of life and health insurance with basic analysis of life insurance, health and annuity contracts. Also includes investigation of the major functional aspects of life and health insurance companies. (Winter, N) 284:391
- 392—REAL ESTATE FINANCE.** 4 hours. Prerequisite: 305. Supplies the basis for comprehension of the basic economic characteristics, organization, and techniques used in the real estate industry. Emphasizes real estate resources, marketing, financing, valuation and trends. (Winter, D) 248:392
- 393—REAL ESTATE PRINCIPLES AND PRACTICES I.** 4 hours. A basic course in real estate economics and administration. (Fall, Winter, Spring, N) 248:393/706:191
- 394—REAL ESTATE PRINCIPLES AND PRACTICES II.** 4 hours. Prerequisite: 393. The function of real estate brokerage, marketing process in context of government regulations, legal restrictions, ethics, and sound management policy. (Winter, Spring, N) 248:394/706:192
- 395—REAL ESTATE LAW.** 4 hours. Prerequisite: 393. The law of agency as applied to real estate brokers and salesmen, law of fixtures, conveyancing of real estate, mortgages, and liens, closing transactions, license law of Ohio, and zoning. (Fall, Winter, Spring, D/N) 248:395/706:193
- 396—REAL ESTATE FINANCE.** 4 hours. Prerequisite: 393. The institutions, methods, instruments, and procedures involved in the financing of real estate. (Winter, Spring, D/N) 248:396/706:291

OFFICE OF THE REGISTRAR - UNIVERSITY OF CINCINNATI - CINCINNATI, OHIO 45221
STUDENT'S OFFICIAL PERMANENT RECORD

NAME: MARK A PICKNELL
First Middle Last

COLLEGE: BUSINESS ADMINISTRATION

ADDRESS: 3465 CHRISTIE

TRANSCRIPTS
② 8-17-77
3-26-79
5/26/84

TOLFOC OH 43606

PARENT OR GUARDIAN: MR & MRS GEORGE PICKNELL

DEGREES _____

ADDRESS: 3465 CHRISTIE

AWARDED _____

TOLFOC OH 43606

BIRTH DATE: 11/08/57 STUDENT NO. _____

PREVIOUS DEGREES: _____

ENTERED AUTUMN 1975

OFFICIAL TRANSCRIPT WHEN SEALED AND DATED BY THE REGISTRAR.

REPORT PERIOD					STUDENT NUMBER				
AUTUMN 12 18 75					301-64-1714				
COLL. NO.	AREA	COURSE NO.	COURSE TITLE	CREDIT HRS. CARRIED	GR.	QUALITY POINTS			
15	ENGLISH	101	FRESHMAN ENGLISH	3	B	9			
15	MATH	141	PRE-CALCULUS MATH	3	W	9			
15	PHILOS	104	PROBLMS PHILOSOPHY	3	B	9			
15	HISTORY	151	HIST WESTRN CIVIL	3	C	6			
22	BUS AD	171	ORIENTATION TO BUS	3	B	9			
22	BUS AD	181	INTO COMPUTER ANAL	3	B	9			
		CREDIT HRS. CARRIED	CREDIT HRS. EARNED	QUALITY POINTS	QUALITY PT. AVERAGE				
CURRENT QUARTER	150	150	420	28000					
CURRENT COLLEGE	150	150	420	28000	TOTALS				150
REPORT PERIOD					STUDENT NUMBER				
WINTER 03 25 76					301-64-1714				
COLL. NO.	AREA	COURSE NO.	COURSE TITLE	CREDIT HRS. CARRIED	GR.	QUALITY POINTS			
15	ENGLISH	102	FRESHMAN ENGLISH	3	C	6			
15	MATH	251	CALC FOR BUS ST	3	C	6			
15	PHILOS	102	MORAL-POLIDEAS M+I	3	A	12			
15	HISTORY	152	HIST WESTRN CIVIL	3	B	9			
15	SOCIOL	141	INTRO TO SOCIOLOGY	3	B	9			
		CREDIT HRS. CARRIED	CREDIT HRS. EARNED	QUALITY POINTS	QUALITY PT. AVERAGE				
CURRENT QUARTER	150	150	420	28000					
CURRENT COLLEGE	300	300	840	28000	TOTALS				300
REPORT PERIOD					STUDENT NUMBER				
SPRING 06 17 76					301-64-1714				
COLL. NO.	AREA	COURSE NO.	COURSE TITLE	CREDIT HRS. CARRIED	GR.	QUALITY POINTS			
15	ENGLISH	103	FRESHMAN ENGLISH	3	A	12			
15	MATH	252	CALC FOR BUS ST	3	D	3			
		CREDIT HRS. CARRIED	CREDIT HRS. EARNED	QUALITY POINTS	QUALITY PT. AVERAGE				
CURRENT QUARTER	150	150	420	28000					
CURRENT COLLEGE	300	300	840	28000	TOTALS				300

60%
45%

REPORT PERIOD					STUDENT NUMBER				
REVISED AUTUMN 01 27 77					301-64-1714				
COLL. NO.	AREA	COURSE NO.	COURSE TITLE	CREDIT HRS. CARRIED	GR.	QUALITY POINTS			
15	PHILOS	103	MORAL-POLIDEAS M+I	3	C	6			
15	HISTORY	153	HIST WESTRN CIVIL	3	B	9			
22	ACCTG	251	FINANCIAL ACCT I	3	W	9			
		CREDIT HRS. CARRIED	CREDIT HRS. EARNED	QUALITY POINTS	QUALITY PT. AVERAGE				
CURRENT QUARTER	120	120	300	25000					
CURRENT COLLEGE	420	420	1140	27143	TOTALS				420
REPORT PERIOD					STUDENT NUMBER				
REVISED WINTER 01 27 77					301-64-1714				
COLL. NO.	AREA	COURSE NO.	COURSE TITLE	CREDIT HRS. CARRIED	GR.	QUALITY POINTS			
15	PSYCH	101	INTRO TO PSYCHOLOGY	3	C	6			
15	ECON	101	INTRO TO ECONOMICS	3	C	6			
22	PROF DV	271	PROFESSION DEVEL I	1	A	4			
22	ACCTG	251	FINANCIAL ACCT I	3	C	6			
22	BUS LAW	251	BUSINESS LAW I	3	C	6			
22	FINANCE	281	PERSONAL FINANCE	3	A	12			
		CREDIT HRS. CARRIED	CREDIT HRS. EARNED	QUALITY POINTS	QUALITY PT. AVERAGE				
CURRENT QUARTER	160	160	400	25000					
CURRENT COLLEGE	580	580	1540	26551	TOTALS				580
REPORT PERIOD					STUDENT NUMBER				
REVISED WINTER 05 05 77					301-64-1714				
COLL. NO.	AREA	COURSE NO.	COURSE TITLE	CREDIT HRS. CARRIED	GR.	QUALITY POINTS			
15	PSYCH	102	PSYCH BF HUMAN LNG	3	W	9			
15	ECON	102	INTRO TO ECONOMICS	3	B	9			
22	ACCTG	252	FINANCIAL ACCT II	3	C	6			
22	MANAGE	381	ORGANIZATIONAL BEH	3	B	9			
22	BUS LAW	252	BUSINESS LAW II	3	C	6			
		CREDIT HRS. CARRIED	CREDIT HRS. EARNED	QUALITY POINTS	QUALITY PT. AVERAGE				
CURRENT QUARTER	120	120	300	25000					
CURRENT COLLEGE	700	700	1840	26285	TOTALS				700

NAME: MARK A PICKNELL

REPORT PERIOD				STUDENT NUMBER			
SPRING 06 16 77				301-64-1714			
COLL. NO.	AREA	COURSE NO.	COURSE TITLE	CREDIT HRS. CARRIED	GR.	QUALITY POINTS	
15	SPEECH	141	FUNDMTLS OF SPEECH	3	C	6	
15	GEOG	103	INT: PHYSICAL GEOG	3	C	6	
15	ECCN	271	MICRCEONOMICS	4	D	4	
18	PHYS ED	179	GEN PE FENCING	1	A	4	
22	ACCTG	271	MANAGERIAL ACCT	5	D	5	
CREDIT HRS. CARRIED	CREDIT HRS. EARNED	QUALITY POINTS	QUALITY PT. AVERAGE	*S* HOURS	*N* HOURS	ADVANCE STANDING	TOTAL HOURS
CURRENT QUARTER	160	160	250	15625			
CURRENT COLLEGE	860	860	2090	24302	TOTALS		860

The following undergraduate non prerequisite courses completed at the University of Cincinnati are math related. Courses are listed in chronological order of completion from the University of Cincinnati Transcript:

MATH 251 CALC FOR BUS ST – Winter Quarter 1976

MATH 252 CALC FOR BUS ST – Spring Quarter 1976

ACCTG 251 FINANCIAL ACCT I – Autumn Quarter 1976

FINANCE 281 PERSONAL FINANCE – Autumn Quarter 1976

ACCTG 252 FINANCIAL ACCT II – Winter Quarter 1977

ECON 271 MICROECONOMICS – Spring Quarter 1977

ACCTG 271 MANAGERIAL ACCT – Spring Quarter 1977

Descriptions for the above listed courses are on the following four pages. Course descriptions are from the 1976 – 1977 University of Cincinnati College of Business Administration course catalog.

forming processes and detailed
Mgt. 341, 385, Math 224 or Q.A.

utilization of human resources
wage incentives. 3 ug. cr. Aut.

focusing on planning and organi-

personnel management, involving
req.: Mgt. 481.

ssues in personnel administration
or. Prereq.: Mgt. 481.

blems and standards, scheduling

operations management, problems,
485 and consent of professor

ssues in contemporary administra-
i Mgt.

ssues in contemporary managerial

Marketing

rocess. Basic concepts covering
g.: Econ. 102.

pricing, distribution, promotion and

ecision-making process. Consumer
it., Win., Spr., Sum. Prereq.: Mark

aspects, copy, media, research

tion and control, and analysis of

1 analysis of policies, personnel
2.

scussion of government legislation
eq.: Mark. 352.

internationalism and multinational
ereq.: Mark. 352.

rd markets and policies for dealing

h, basic analysis methods; interpre-
Mark. 352 and 12 additional hours

s and decision making in marketing
required of majors.

ating literature. 3 ug. cr. Win., Spr.
rking and permission of instructor

22-455-595. **Research in Marketing.** Directed research using the methods taught in Mark. 573. 3 ug. cr. Win., Spr. Prereq.: Mark. 573.

22-455-599. **Independent Study in Marketing.** Individualized study under the direction of a faculty member. Var. cr. Aut., Win., Spr., Sum. Prereq.: Mark. 589 or 595 plus prereq. for 589. Permission of department head.

15-025-141. **Pre-Calculus Mathematics.** A course designed to prepare students for calculus. Topics include: properties of real numbers, functions, and trigonometry. 3 ug. cr. ea. Qtr. Aut., Win.

15-025-251, 252. **Calculus for Business Students.** Concepts of limit, continuity, differentiation, and integration for functions of one and several variables, with applications. 3 ug. cr. ea. Qtr. 251, Win.; 252, Spr. Prereq.: Math 141, or equiv.

15-025-221, 222, 223, 224. **Differential and Integral Calculus.** Elementary analytic geometry is treated as needed in this sequence. Students entering with four units of soundly mastered college preparatory mathematics, including trigonometry, should begin with this sequence. Required of I.M. and Q.A. majors.

221. **Calculus and Analytic Geometry I.** Functions, limits, derivatives, antiderivatives, integrals, with elementary applications. Introduction to analytic geometry and vectors in the plane. 5 ug. cr. Aut., Win.

222. **Calculus and Analytic Geometry II.** Conic sections, curve sketching, differentiation and integration of trigonometric, exponential, and logarithmic functions. Integration techniques, numerical integration. 5 ug. cr. Win., Spr.

223. **Calculus and Analytic Geometry III.** Basic theorems of calculus, maxima and minima, related rates, differentials. Parametric equations, applications of integration, three-dimensional vectors, lines, planes, space curves. 5 ug. cr. Aut., Win., Spr.

224. **Calculus and Analytic Geometry IV.** Partial differentiation, iterated integrals, infinite series, Taylor and Maclaurin Series, with applications. 5 ug. cr. Aut.

15-025-231. **Linear Analysis I.** Linear equations, matrices, determinants, vector spaces, bases and dimension, linear transformations, eigenvectors, eigenvalues. 5 ug. cr. Aut. Qtr. Prereq.: Math 221 or 242.

15-025-232. **Linear Analysis II.** Differential calculus of functions from R^m to R^n using linear algebra. Taylor's theorem, Lagrange multipliers. 5 ug. cr. Spr. Qtr. Prereq.: Math 223 and 231.

15-025-233. **Linear Analysis III.** Multiple integrals, line integrals, surface integrals, Green's and Stokes' theorems, some linear differential equations. 5 ug. cr. Spr. Prereq.: Math 232.

15-025-273. **Differential Equations.** Introduction to ordinary differential equations emphasizing linear types with constant coefficients, homogeneous and nonhomogeneous equations, linear systems, with applications. 5 ug. cr. Offered ea. Qtr. Prereq: Math. 223.

20-025-276. **Matrix Methods.** Basic properties of n-dimensional vector spaces, emphasizing the geometric interpretation of vectors and matrices, with applications. 3 ug. cr. ea. Qtr. Required of Q.A. majors only.

Mechanics

20-031-121. **Mechanics I.** Basic concepts including vector operations, resultants of force systems, free body diagrams. Structures, friction, internal reactions of slender members. 5 ug. cr. Aut., Win. Required for I.M.

20-031-122. **Mechanics II.** Kinematics of particles; force, mass, and acceleration; work and energy; impulse and momentum. 4 ug. cr. Win., Spr. Required for I.M.

Physics

15-030-104, 105, 106. **Introductory Physics.** An elementary course emphasizing the general principles of physics with demonstrations. A proficiency in elementary algebra is required. 3 ug. cr. ea. Qtr.

15-030-221. **Physics for Engineers I.** Particle dynamics, rigid body motion, oscillations and waves. Three lectures and a voluntary recitation section each week. 3 ug. cr. Sum., Aut., Win. Prereq.: Math. 223; Mech. 121. Required for I.M.

15-030-222. **Physics for Engineers II.** Electromagnetic waves and electron theory of matter. Three lectures and a demonstration-recitation-laboratory each week. 4 ug. cr. Win., Spr. Prereq.: Phys. 202. Required for I.M.

COURSES OF INSTRUCTION

All courses are assigned an eight-digit code number. The first two digits indicate the college (e.g. 22 — Business Administration; 15 — McMicken Arts and Sciences); the next three indicate the general area of study (e.g. Accounting, English); the last three designate the specific course.

Accounting

- 22-410-251. **Financial Accounting I.** Economic environment of accounting. Basic concepts of accounting including measurement and communication principles. 3 ug. cr. Aut., Win., Spr., Sum.
- 22-410-252. **Financial Accounting II.** Measurement of revenue, costs, assets, and equities. Financial statement analysis. 3 ug. cr. Aut., Win., Spr. Prereq.: Accounting 251.
- 22-410-271. **Managerial Accounting.** Use of accounting data in planning and controlling business operations. Cost flows and cost behavior as used in decision making. 5 ug. cr. Aut., Win., Spr., Sum. Prereq.: Accounting 252.
- 22-410-351. **Intermediate Accounting I.** Foundations of accounting theory. The accounting, reporting, and valuation process relating to assets and liabilities. 5 ug. cr. Aut., Win., Spr., Sum. Prereq.: Accounting 271.
- 22-410-352. **Intermediate Accounting II.** The valuation process and statement presentation principles relating to capital structure and special problems. 4 ug. cr. Aut., Win., Spr., Sum. Prereq.: Accounting 351.
- 22-410-371. **Specialized Areas of Accounting.** Partnerships, ventures, statement of affairs, receiver's accounting, fund accounting, and other special accounting problems. 3 ug. cr. Aut., Win. Prereq.: Accounting 271.
- 22-410-372. **Sales Analysis and Distribution Cost Control.** Development of sales forecasts and budgets and their relationships to cost development and control with specific application to distribution problems. 3 ug. cr. Spr. Prereq.: Accounting 271.
- 22-410-373. **Special Problems in Managerial Accounting.** Decision models, uncertainty, and cost behavior patterns. Cost control and analysis of variances. 3 ug. cr. Aut., Win., Spr., Sum. Prereq.: Accounting 271.
- 22-410-374. **Accounting for Planning and Decisions.** Cost accounting methods and techniques for management planning and control with emphasis upon budgeting, cost analysis, and performance reports. 3 ug. cr. Win., Spr. Prereq.: Accounting 271.
- 22-410-375. **Accounting for Non-Profit Organizations.** Problems of control of funds and other assets; accounting classifications and relationships, planning, performance measurement, reporting, auditing. 3 ug. cr. Spr. Prereq.: Accounting 271.
- 22-410-471. **Consolidated Statements and Business Combinations.** Handling of mergers, consolidations and other forms of business combinations. 3 ug. cr. Aut., Win., Spr., Sum. Prereq.: Accounting 352.
- 22-410-472. **Tax I.** Federal Income Tax accounting. Economic implications. 3 ug. cr. Aut., Win., Spr., Sum. Prereq.: Accounting 352.
- 22-410-474. **Information Systems.** Analysis and design of accounting information systems to meet the needs of users. 3 ug. cr. Aut., Win., Spr., Sum. Prereq.: Accounting 352.
- 22-410-475. **Taxation for Business and Investment Decisions.** Analysis of the impact of taxes on personal and business decisions. 3 ug. cr. Spr. Prereq.: Junior standing. Not open to Acctg. majors.
- 22-410-483. **Auditing I.** Principles, standards, and procedures involved in the conduct of an audit. Internal control, statistical sampling, objectives, and report presentation. 3 ug. cr. Aut., Win., Spr., Sum. Prereq.: Accounting 352.
- 22-410-572. **Tax II.** Application of tax principles and techniques to individuals, partnerships, and corporations. 3 ug. cr. Aut., Win., Spr. Prereq.: Accounting 472.
- 22-410-583. **Auditing II.** Audit techniques as they apply to specific balance sheet and related income statement accounts. Management services. 3 ug. cr. Aut., Win., Spr. Prereq.: Accounting 483.

- 22-410-589. **Accounting Theory** reports. 3 ug. cr. Aut., Win., Spr.
- 22-410-595. **Accounting Research** accounting major and consent
- 22-410-599. **Independent Study.** Var. cr. Prereq.: Senior account
- 22-417-251. **Business Law I.** Le environment of business, includi 3 ug. cr. Aut., Win., Spr., Sum.
- 22-417-252. **Business Law II.** C economic and social reasons fo 251.
- 22-417-541. **Business Law III.** I risk of loss and insurable inter Prereq.: Business Law 252.
- 22-417-542. **Business Law IV.** B corporations and secured transa
- 22-417-599. **Independent Study.** Var. cr. Prereq.: Consent of dep
- 22-405-171. **Orientation to Bus** personal goals. Review of major
- 22-405-181. **Introduction to Com** programming experience using I
- 22-405-571. **Analysis of Small E** the student an opportunity to a U.S. Srs. only.
- 22-405-581. **Integration and App** finance, management, marketing simulated business community. t
- 22-405-589. **Business Policy.** TI individual firm; readings, cases, .
- 22-405-671. **Decision Making in** planning model to problems crea
- 22-405-672. **Dynamics of Super** munication. Environmental influe
- 15-035-104, 105, 106. **Chemistry** with demonstrations. 3 ug. cr. ea
- 15-035-101, 102, 103. **First-Year** students. Three lectures and one
- 15-035-111, 112, 113. **First-Year** 113 involves ionic equilibria and
- 15-080-101. **Introduction to Eco** demand analysis; pricing; allocat

15-080-102. Introduction to Economics II. Scope and method of economics; nature of economic problems; national income analysis. 3 ug. cr. ea. Qtr.

15-080-271. Microeconomics. Demand, production and cost, price determination, products under perfect competition, welfare and economic applications. (Designed for business students.) 4 ug. cr. Spr. Prereq.: Econ. 101.

17-202-111, 112, 113. Effective Reading and Study. An individualized program for improving skills in reading and study; increasing speed and improving comprehension; developing skills for examinations, outlining, summarizing, and note taking. 2 cr. Three hours per week, repeated ea. Qtr. Cannot be used for BBA credit.

Effective Reading and Study

15-001-101, 102, 103. Freshman English. The study of the language and training in composition and in the critical reading of various types of literature. 3 ug. cr. ea. Qtr.

English

22-430-281. Personal Finance. Planning and management of personal finance budgets. Use of financial intermediaries; insurance; real estate; securities investments; estate planning. 3 ug. cr. Aut., Win., Spr., Sum. Prereq.: Soph. stand.

Finance

22-430-351, 352. Business Finance I, II. Introduction to financial markets and investor behavior; financial analysis techniques, analysis of capital investment projects, financial planning tools and management of financial resources. 3 ug cr. Must be taken in sequence. Aut., Win., Spr., Sum. Prereq.: B.A. 181, Acct. 271, Econ. 102, Q.A. 242, Bus. Law 252.

22-430-371. Principles of Investments. The stock market. Principles of investment, governmental regulation of securities markets. 3 ug. cr. Aut., Win., Spr., Sum. Prereq.: Fin. 352.

22-430-375. Financial Institutions. Analysis of financial institutions with emphasis on financial intermediaries, investment banking and influence of governmental financial institutions on business. 3 ug. cr. Aut., Win., Spr., Sum. Prereq.: Fin. 352.

22-430-391. Principles of Real Estate. Survey of real estate industry with emphasis on its structure, regulation, growth, needs, financing. Methods of determining land use and evaluation. 3 ug. cr. Aut., Win., Spr., Sum. Prereq.: Fin. 352.

22-430-472. Security Analysis. Procedures and methods of investment analysis, interpreting financial statements and economic data. Valuation of common stocks and fixed income securities. 3 ug. cr. Aut., Win., Spr., Sum. Prereq.: Fin. 371.

22-430-473. Portfolio Management. Analysis of investment requirements for individuals and institutional investors. Portfolio management. Analysis of money and bond markets, and stock prices. 3 ug. cr. Aut., Win., Spr., Sum. Prereq.: Fin. 472.

22-430-476. Financial Markets. Examination of the operation and role of money and capital markets. Analysis of central bank and commercial bank activities in the financial system. 3 ug. cr. Aut., Win., Spr., Sum. Prereq.: Fin. 375.

22-430-485. Problems in Corporation Finance. Financing current operations and long-term capital needs of business firms. Problem solving and decision making from viewpoint of financial manager. Case materials. 3 ug. cr. Aut., Win., Spr., Sum. Prereq.: Fin. 352.

22-430-595. Research in Financial Administration. Individual research and analysis of advanced problems in financial administration. 3 ug. cr. Spr. Prereq.: All finance major courses completed or concurrent.

22-430-599. Independent Study. Individualized study under direction of a faculty member. Var. cr. Aut., Win., Spr., Sum. Prereq.: Consent of dept.

Industrial Relations

15-080-571. Labor Problems. Interrelationship of employers, employees, and the public in modern industrial society. 3 ug. cr. Aut., Win., Spr., Sum.

15-080-573. Government and Labor. Role of government in industrial relations and in dealing with problems of economic security. 3 ug. cr. Aut., Win.

15-080-576. Collective Bargaining. Causes and settlement of labor disputes

15-080-572. Labor Markets. Role of labor markets upon national economy

22-436-382. Principles of Labor Relations. Identification, evaluation, resolution of labor disputes

22-436-387. Life and Health Insurance. Used in meeting personal financial needs

22-436-483. Property and Liability Insurance. Property, liability and casualty insurance

22-436-488. Group Insurance. To meet problems of superannuation

22-436-584. Advanced Property and Casualty Insurance. Automobile insurance Prereq.: Ins. 483.

22-415-341. Management. Management. 3 ug. cr. Aut., Win., Spr., Sum. Prereq.: B.A. 181, Acct. 271, Econ. 102, Q.A. 242, Bus. Law 252.

22-415-373. Management. Management. 3 ug. cr. Aut., Win., Spr., Sum. Prereq.: B.A. 181, Acct. 271, Econ. 102, Q.A. 242, Bus. Law 252.

22-415-375. International Management. International corporation. Impact of international trade

22-415-377. Management. Management thought, from classical to modern

22-415-381. Organization. Effect on organizational behavior. Econ. 102, Q.A. 242.

22-415-385. Manufacturing Management. Work relating to material handling. Econ. 102, B.A. 181, Q.A. 242, Bus. Law 252.

22-415-441, 442. Management. Management analysis. Relation to business. Mgt. 341, 381, 385.

22-415-474. Research and Development. Casting in research, development, and production. 385.

22-415-481. Personnel Management. Safety; wage and salary administration. Mgt. 341, 381, 385.

22-415-483. Management. Management needs. Analyzes resistance to change. 385.

22-415-484. Dynamics of Organization. Dynamics; organizational behavior

22-415-485. Materials Management. Manufacture of goods. 385.

...ability to study of organic problems, including cleft
 ...and Hearing. Systematic data collection.
 ...of public presentation of findings. 4 ug. cr.
 ...of studying senses, structure and function of
 ...of speech: 3 ug. cr. Win. Qtr.
 ...emphasizes on the physiological and acoustical
 ...of speech: 3 ug. cr. Win. Qtr.
 ...research in speech analysis. Emphasis on motor
 ...Phonetics or permission of instructor.

Economics

...by: Valentine, Wessel, Zinam, Berry, Craycraft,
 ...Goddard, Gustafson, Whitmore.
 ...hours (beyond the introductory course,
 ...and 372 and five credit hours of Statistics.
 ...flexible offering programs for careers in
 ...available for students planning to enter
 ...students planning immediate careers
 ...effectiveness as citizens,
 ...theory and applications.

...the student receives a Certificate in Business

...Education Program 4A).
 ...in the following programs:

...Undergraduate Studies on the 12th floor

...are urged to complete at least two quarters
 ...to fulfill the Statistics requirement with
 ...with advanced theory courses Econ. 647,

...course (101, 2, 3) or a 2 quarter 4 credit
 ...as Econ. 101, 2, 3. Any one of the

...to behavior of individuals, firms,
 ...No credit for this and Econ. 105. 3 ug.

...national income, money and banking, fiscal
 ...context. No credit for this course and

...political environment; international trade,
 ...economic systems. No credit for this course for
 ...Econ. 101-2.

15-080-105. Introduction to Economics. Economic principles of markets and pricing for resource allocation and decision-making, including issues of labor, income distribution, environment, and welfare. *No credit for this course and Econ. 101.* 4 ug. cr. Win. Qtr.

15-080-106. Introduction to Economics. Economic analysis of national income, fiscal and monetary policy, international trade, growth, and alternative economic systems. *No credit for this course and Econ. 102.* 4 ug. cr. Spr. Qtr.

15-080-211, 212, 213. Unified Social Science. A system-based introduction to concepts that underlie all social and behavioral sciences, with applications to contemporary social problems. 3 ug. cr. ea. Qtr.

15-080-201. Contemporary Economic Problems. Application of economic principles to present-day problems. Inflation, economic growth, labor relations, balance of payments. Recommended for nonmajors. 3 ug. cr. Aut. Qtr. Prereq.: Econ. 101-2 or 105-6.

15-080-245. Economic Statistics. Introduction to statistical techniques used by economists and their application to economic data. 5 ug. cr. Offered ea. Qtr. Prereq.: Econ. 101-2 or 105-6.

15-080-271. Microeconomics. Theory of demand, production and cost, price determination for factors, products under perfect competition, welfare and economic application. (Not open to Econ. majors.) 4 ug. cr. ea. Qtr. Prereq.: Econ. 101 or 105.

15-080-316. Women in Society. A multidisciplinary analysis of the position of women in the economy, the polity and social organization in the past and present. (Offered by Economics, History, Political Science, & Sociology.) 3 ug. cr. Win. Qtr.

15-080-341, 342. Microeconomic Theory. Intermediate level study of price and distribution theory. Designed to supply the student with background needed in more specialized areas of economics. 3 ug. cr. ea. Qtr. Aut., Win. Qtrs.: (Repeated-Win., Spr. Qtrs.) Prereq.: Econ. 101-2 or 105-6.

15-080-350. The Development of Economic Ideas. A survey of the main schools of economic thought. This course provides a background on the history of doctrine for economics majors and other interested persons. 3 ug. cr. Aut. Qtr.

15-080-371. Money, Banking, and the Economy. National income accounting, demand for and supply of money, and other structural aspects to develop analytical frameworks necessary for discussing such problems as inflation, unemployment, economic growth, and the external problems. 3 ug. cr. Aut., Win. Qtrs. Prereq.: Econ. 101-2 or 105-6.

15-080-372. Macroeconomics. Measures of aggregate economic performance, the theory of income determination, problems of economic instability and growth. 3 ug. cr. Win., Spr. Qtrs. Prereq.: Econ. 371.

15-080-461. The Economics of American Industries. The principal manufacturing industries of the United States. Several field trips will be scheduled. 3 ug. cr. Aut. Qtr. Prereq.: Econ. 101-2 or 105-6 or perm. of instr.

15-080-462. The Economics of American Industries. A continuation of Econ. 461 but may be entered without Econ. 461. 3 ug. cr. Win. Qtr. Prereq.: Econ. 101-2 or 105-6 or permission of instructor.

15-080-480. Public Finance. Principles of taxation, analysis of public expenditures, standards of efficient government finance. Identical with Political Science 580. 3 ug. cr. Win., Spr. Qtr.

15-080-481. Fiscal Policy. The influence of taxation and expenditure upon national income, impact upon economic stabilization and growth. 3 ug. cr. Aut. Qtr. Prereq.: Econ. 101-2 or 105-6.

15-080-501. Regional Economics: Location Theory. The economic forces governing the geographic location of economic activities, locational changes and adjustments. 3 ug. cr. Win. Qtr. Prereq.: Econ. 101-2 or 105-6 or Geog. 104-6.

15-080-502. Regional Economics: Tools of Analysis. Locational objectives and public policy and introduction to the quantitative tools of regional economics including input/output, industrial complex, regional multipliers, etc. 3 ug. cr. Spr. Qtr. Prereq.: Econ. 101-2 or 105-6 or Geog. 104-6.

15-080-506. Urban Economic Problems. A review of forces affecting metropolitan growth, resulting spatial patterns, and economic problems of congestion, environment, labor markets, and public finance in metropolitan area. 3 ug. cr. Aut. Qtr. Prereq.: Econ. 101-2 or 105-6.

15-080-507. Applied Urban Economics. Examinations of attempts to find practical solutions of urban problems. 3 ug. cr. Win. Qtr.

Ashland University Official Electronic Transcript

09/28/15

Formerly Ashland College
Office of the Registrar
Ashland, Ohio 44805
419-289-5027

1 of 1

Mark Picknell
1465 White Ash Dr
Columbus, OH 43204-1559

XXX-XX-1714

0010446

November 8

3 Sem

COURSE	Course Title	CRD	GRD	GRDPT	COURSE	Course Title	CRD	GRD	GRDPT
FALL SEMESTER '84 (08/29/1984 to 12/20/1984)									
MBA501	- ORGANIZATIONAL THEORY	3.00	B	9.00					
	Term GPA	3.000	Att Crd	3.00	Credit	3.00			
	Cum GPA	3.000	Att Crd	3.00	Credit	3.00			
MBA515 SPRING '88 (01/11/1988 to 05/05/1988)									
	AC - STRATEGIC PLAN/POLICY ANA	3.00	A	12.00					
	Term GPA	4.000	Att Crd	3.00	Credit	3.00			
	Cum GPA	3.333	Att Crd	27.00	Credit	27.00			
MBA506 SPRING '85 (01/21/1985 to 05/16/1985)									
	- BUSINESS & SOCIETY	3.00	B	9.00					
	Term GPA	3.000	Att Crd	3.00	Credit	3.00			
	Cum GPA	3.000	Att Crd	6.00	Credit	6.00			
MBA511 SUMMER III '88 (07/05/1988 to 07/28/1988)									
	MT - MANAGERIAL ACCOUNTING	3.00	C	6.00					
	Term GPA	2.000	Att Crd	3.00	Credit	3.00			
	Cum GPA	3.200	Att Crd	30.00	Credit	30.00			
MBA504 SUMMER I '85 (05/13/1985 to 08/15/1985)									
	- BUSINESS STATISTICS	3.00	B	9.00					
	Term GPA	3.000	Att Crd	3.00	Credit	3.00			
	Cum GPA	3.000	Att Crd	9.00	Credit	9.00			
MBA509 FALL SEMESTER '88 (09/06/1988 to 12/22/1988)									
	AC - INTERNATIONAL BUSINESS MG	3.00	A	12.00					
	Term GPA	4.000	Att Crd	3.00	Credit	3.00			
	Cum GPA	3.273	Att Crd	33.00	Credit	33.00			
MBA507 SPRING '86 (01/13/1986 to 05/08/1986)									
	- MARKETING MANAGEMENT	3.00	A	12.00					
	Term GPA	4.000	Att Crd	3.00	Credit	3.00			
	Cum GPA	3.250	Att Crd	12.00	Credit	12.00			
MBA503 SPRING '89 (01/17/1989 to 05/11/1989)									
	MA - QUANTITATIVE ANALYSIS	3.00	A	12.00					
	Term GPA	4.000	Att Crd	3.00	Credit	3.00			
	Cum GPA	3.333	Att Crd	36.00	Credit	36.00			
MBA505 SUMMER I '86 (05/12/1986 to 06/06/1986)									
	- FINANCIAL MANAGEMENT	3.00	B	9.00					
	Term GPA	3.000	Att Crd	3.00	Credit	3.00			
	Cum GPA	3.200	Att Crd	15.00	Credit	15.00			
MBA502 FALL SEMESTER '86 (08/26/1986 to 12/18/1986)									
	- MANAGERIAL ECONOMICS	3.00	B	9.00					
	Term GPA	3.000	Att Crd	3.00	Credit	3.00			
	Cum GPA	3.167	Att Crd	18.00	Credit	18.00			
MBA508 SPRING '87 (01/12/1987 to 05/04/1987)									
	- CYCLES & FORECASTING	3.00	A	12.00					
	Term GPA	4.000	Att Crd	3.00	Credit	3.00			
	Cum GPA	3.286	Att Crd	21.00	Credit	21.00			
MBA512 SUMMER I '87 (05/11/1987 to 06/05/1987)									
	- PRODUCTIVITY MANAGEMENT	3.00	B	9.00					
	Term GPA	3.000	Att Crd	3.00	Credit	3.00			
	Cum GPA	3.250	Att Crd	24.00	Credit	24.00			

Degree Received: Master Bus Adm on 05/01/1989
Date Conferred: 05/11/1989
Majors: Executive Management

End of official record

RECEIVED

SEP 28 2015

State Board of
Sanitarian Registration

Transcript Sent To:
stephanie.youst@exchange.state.oh.us

Vicki G. Yoho

The following graduate courses completed at Ashland University are math related. Courses are listed in chronological order of completion from the Ashland University Transcript:

- MBA 504 BUSINESS STATISTICS – SUMMER SEMESTER 1985
- MBA 505 FINANCIAL MANAGEMENT – SUMMER SEMESTER 1986
- MBA 502 MANAGERIAL ECONOMICS – FALL SEMESTER 1986
- MBA 508 CYCLES & FORECASTING – SPRING SEMESTER 1987
- MBA 512 PRODUCTIVITY MANAGEMENT – SUMMER SEMESTER 1987
- MBA 511 MANAGERIAL ACCOUNTING – SUMMER SEMESTER 1988
- MBA 503 QUANTITATIVE ANALYSIS – SPRING SEMESTER 1989

Descriptions for the above listed courses are on the following two pages. Course descriptions are from the 1984-1985 Ashland University College of Business Administration MBA course catalog.

Master of Business Administration

in the class has not reached capacity, we will add it to your registration upon the professor's approval.

Students are responsible for obtaining and completing withdrawal forms in the Director's Office. However, those students attending an off-campus branch and living out of the Ashland area must mail a

note to the Directors' Office stating: (1) the course to be dropped; (2) the branch location of the course; (3) a brief but complete reason for withdrawal from the course; and (4) future plans for reenrolling in the same course. Upon receipt of this notification in the Directors' Office and approval of the request, a registration change (drop slip) will be completed.

Master of Business Administration Courses

Phase I

MBA 501 Organizational Theory

A comprehensive study of the historical management theories and special implications for contingency theory as they relate to the manager in today's world. This basic theory course is designed to introduce the MBA student to all the courses and material that will be experienced in the MBA program.

MBA 503 Quantitative Analysis

Prerequisite: MBA 504

Topics to be covered include forecasting, inventory control, linear programming and other forms of mathematical optimization models. This course will study the application of these topics to managerial decision making.

MBA 504 Business Statistics

Included in this course are the topics of descriptive statistics, sampling procedures, hypotheses testing, statistical quality-control charting, confidence limits, analysis of variance, chi-square tests and simple and multiple regression. These concepts are related to business decisions and form the basis for data analysis and model building encountered in other MBA courses.

MBA 506 Business and Society

A study of the ethical, moral and legal responsibilities of the manager in the business world. National, state and local laws and customs will be stressed as they relate to the business enterprise; and the rights of workers, community and government are researched.

Phase II

MBA 502 Managerial Economics

Prerequisites: MBA 503 and MBA 504

The integration of principles and ideas from various fields of economics for management decision making and policy formation within the firm.

MBA 505 Financial Management

Financial planning and control for the financial and the nonfinancial executive, including decisions of investment, growth and expansion strategies, dividend policy and capital structure. Analysis of principles leading to decisions in management of current assets, fixed assets, debt, equity and estimation capital. Emphasis is on decision making based on quantitative analysis.

MBA 508 Business Cycles and Forecasting

Prerequisite: MBA 504

The economic effects imposed upon the business organization evolve from the aggregate economy as well as from individual decisions made by competitors. This course is designed to equip the aspiring executive with the tools for understanding the macroeconomic problems of market societies. The consequences of the American federal government's monetary and fiscal policy actions as well as the effects of international decisions and adjustments are investigated. Theories of aggregate supply and demand, equilibrium and growth are included; and multiple regression forecasting techniques are utilized.

Master of Business Administration

MBA 511 Managerial Accounting

Particular emphasis in this course is placed on introductory cost concepts, cost behavior, cost accounting systems, budgeting and their relationship to management control systems and decision making.

Phase III

MBA 507 Marketing Management

In the complex business environment which exists today, the function of marketing is increasingly responsible for the success or failure of the firm. This course deals with the analysis of marketing concepts and problems from a managerial point of view. Emphasis is on planning, organization, control of marketing activities and their integration with objectives and policies of the firm.

MBA 509 International Business Management

Prerequisites: MBA 502 and MBA 508

This course provides a study of the international trade and international monetary theories emphasizing their relevancy and application to the multinational enterprise. This emphasis allows the student to develop a comprehensive, conceptual framework to draw from when faced with business decisions involving a multinational setting. The topics covered in the course include comparative advantage, the factor proportion theory, the "new" theories of trade, customs unions, foreign exchange rates and their determination and balance-payments equilibrium.

MBA 512 Productivity Management

Prerequisites: MBA 503 and MBA 504

Human and quantitative problems, concepts and techniques are fundamentals of the productivity management agent. This course analyzes behavioral, material and financial resources of organizations with a variety of quantitative techniques and applies these tools to case situations.

MBA 515 Strategic Planning and Policy Analysis

This capstone course in business policy stresses a synthesis of the functional and theoretical business fields. In addition, the course develops the student's ability to see the enterprise as a whole and to understand how and why the pieces and functions of a business are interdependent and must be carefully managed for the organization to perform well. A heavy reliance is made on business cases, and students are encouraged to relate the operation of their own firms to the subject matter of the course.

MBA 600 Independent Research Project (OPTIONAL)

The primary intention of this project is to integrate the extent of the student's educational material with a practical issue worthy of examination. Thus, the student is encouraged to research matters relating to his or her own business or employment area. The first and foremost purpose is one of learning; any resulting benefit — economic or otherwise — will be secondary.

Independent Research Project Option

MBA students have two options for completing their curriculum. (1) They may complete all 12 courses for a total of 36 semester hours. (2) They may choose to complete MBA 600, Independent Research Project, for 6 semester hours and 10 courses for 30 semester hours; this also totals 36 semester hours. However, all students electing the project must take four core courses: MBA 501, MBA 503, MBA 504 and MBA 515. Any six of the remaining eight courses may be chosen to complete the curriculum requirements.

Eligibility

The Independent Research Project is chosen by the candidate with the consent of primary and secondary faculty advisers who will direct the candidate's research project. To enroll in MBA 600, students must have a 3.50 grade-point average when the project application is submitted for approval to the MBA Director (forms available from the Directors' Office). Before beginning work on the project, students must have completed 15 semester hours of core courses including

Phase III includes business electives and the opportunity to specialize in areas such as project management, entrepreneurship, human resource management, finance, global management, supply chain management, accounting or a customized specialty program. For Information regarding specializations please visit the specializations page.

ELECTIVE COURSES

MBA 502 MANAGERIAL ECONOMICS

Managerial economics instructs managers on the economic approach to management. This course stresses three areas of management decision making: allocative, controlling behavior, and profit analysis. Central to any organization's functioning is the allocation of resources to competing ends for the purpose of accomplishing a final goal. Managerial economics teaches the logic of this process using the classical optimization vocabulary of resource, constraint, competing ends, accounting prices, economic prices, final goal, and choice. Humans, being a highly social species with a high-level consciousness, want to describe, explain, control, and predict behavior. Any human organization, if it is to be successful, requires behavioral technologies to deal with its own members and outsiders. Managerial economics teaches the rational actor's approach to describing, explaining, controlling, and predicting behavior. Finally, the sine qua non of a capitalistic business is profit. Yet few managers appreciate the constellation of variables that determine it. Managerial economics employs a profit model that allows managers to see the connections between demand, resource prices, technology, quantities of fixed input, a product's price, a firm's capacity utilization rate, and profit. Emphasized throughout this course are reasoning and problem solving skills as opposed to memorization.

MBA 504 BUSINESS STATISTICS

Prerequisite: MBA 500H Quantitative and Statistical Methods or undergraduate statistics course

Included in this course are the topics of descriptive statistics, sampling procedures, hypotheses testing, statistical quality control charting, confidence limits, analysis of variance, chi-square tests and simple and multiple regression. These concepts are related to business decisions and form the basis for data analysis and model building encountered in other MBA courses.

MBA 506 BUSINESS AND SOCIETY

A study of the ethical, moral and legal responsibilities of the manager in the business world. Ethical theory as applied to situations will be presented for discussion. General government regulation, whether federal, state or local laws will be stressed as they relate to the business enterprise. The relationship of the manager and the rights of various stakeholders are identified, with legal theory serving as the basis of such study. As a Phase II required course, the student should enroll in this course early on in their MBA career.

MBA 509 INTERNATIONAL BUSINESS MANAGEMENT

This course deals with international/global business as an element of operational, functional, and environmental variables and patterns of behavior of the corporation. Intra-corporate research and analysis dealing within the corporation to determine the ability to successfully compete in a foreign market will also be examined. The firm's competitive advantages, anatomy, goals and objectives, internal resources, priorities, and a general framework will be studied. This segment will also examine the techniques of the industry and competitive analysis. Additionally, the course will deal with inter-corporate research and analysis of those variables and conditions outside the control of the firm.

MBA 510 ORGANIZATIONAL BEHAVIOR

Prerequisite: MBA 500A Business Organization or equivalent.

A conceptual understanding of the complexities of human behavior is essential for the success of any manager. This course seeks to enhance student knowledge concerning the behavior of individuals and groups in an organizational setting through the use of research perspective, and



Ohio State Board of Sanitarian Registration

77 South High Street, 16th Floor
Columbus, Ohio 43215-6108



November 20, 2015

Mark Picknell
1465 White Ash Drive
Columbus, Ohio 43204

Mr. Picknell:

The State Board of Sanitarian Registration met on November 18, 2015. During the meeting your application for sanitarian in training registration was reviewed. The Board deferred action on your application pending the submission of additional information.

Section 4736.08 of the Ohio Revised Code requires applicants to have graduated from an accredited college or university with at least a baccalaureate degree, including at least forty-five quarter units or thirty semester units of science courses approved by the Board.

Rule 4736-8-01 of the Ohio Administrative Code requires that an applicant for registration as a sanitarian must have completed forty-five quarter units or thirty semester units of science in biology, chemistry, physics, geology or mathematics at an accredited college or university and have their experience approved by the Board.

The Board concluded that the following courses listed on your transcripts fulfill the requirement specified in Rule 4736-8-01 of the Ohio Administrative Code (OAC):

College	Dept.	No.	Title	Semester Hours
University of Toledo	Math	127	Essentials Math II	2.67
	Astr	105	Planet Astron	2
	Biol	114	Biol Asp Human Conse	2
Total				6.67

College	Dept.	No.	Title	Semester Hours
University of Cincinnati	Math	251	Calc for Bus St	2
	Math	252	Calc for Bus St	2
Total				4

College	Dept.	No.	Title	Semester Hours
Ashland University	MBA	504	Business Statistics	3
Total				3



Ohio State Board of Sanitarian Registration

77 South High Street, 16th Floor
Columbus, Ohio 43215-6108

The Board is scheduled to meet again on January 27, 2016. The Board requests that you supply information showing that you completed forty-five quarter units or thirty semester units of science in biology, chemistry, physics, geology or mathematics at an accredited college or university, as set forth in rule 4736-8-01 of the Ohio Administrative Code. If there is any additional coursework you would like the Board to consider please supply a course description and/or syllabi for that course(s).

The additional information must be received by the Board on or before January 22, 2016 or the Board will take action based upon the application as submitted on September 25, 2015.

Should you have questions, please feel free to contact me at (614) 466-1772 or stephanie.youst@exchange.state.oh.us.

Sincerely,

Stephanie K. Youst
Executive Secretary

Return Receipt Requested: 7004 2510 00 6 9810 3541

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Mark Picknell
1465 White Ash Drive
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<p>1. Article Addressed to:</p> <p>Mark Picknell 1465 White Ash Drive Columbus, Ohio 43204</p>		<p>3. Service Type</p> <p><input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail</p> <p><input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise</p> <p><input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.</p>	
		<p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>	
<p>7004 2510 0006 9810 3541</p>			

Youst, Stephanie

From: Youst, Stephanie
Sent: Thursday, November 19, 2015 12:21 PM
To: 'Mark Picknell'
Subject: RE: Mark Picknell SIT Application

Mark –

Right now, the Board calculated your hours the following. This is the cut/pasted table from the letter I am going to send you so it will look familiar when you receive it in the mail. We have your total at 13.67 semester hours and you need 30 to be eligible to hold registration as an SIT.

College	Dept.	No.	Title	Semester Hours
University of Toledo	Math	127	Essentials Math II	2.67
	Astr	105	Planet Astron	2
	Biol	114	Biol Asp Human Conse	2
Total				6.67

College	Dept.	No.	Title	Semester Hours
University of Cincinnati	Math	251	Calc for Bus St	2
	Math	252	Calc for Bus St	2
Total				4

College	Dept.	No.	Title	Semester Hours
Ashland University	MBA	504	Business Statistics	3
Total				3

Please feel free to contact me if you have any questions. Have a great day!

Steph

Stephanie Youst
Executive Secretary
Sanitarian Registration Board
77 South High Street, 16th Floor
Columbus, Ohio 43215-6108
(614) 466-1772 (Phone)
(614) 644-8112 (Fax)
<http://sanitarian.ohio.gov>

Please complete the Board's customer satisfaction survey at: <http://www.surveymonkey.com/s/SQYRRN9>

From: Mark Picknell [<mailto:mark.picknell@aol.com>]

Sent: Thursday, November 19, 2015 11:29 AM

To: Youst, Stephanie

Subject: Re: Mark Picknell SIT Application

Thanks Stephanie. Are you allowed to let me know how many semester hours I am short, or do I have to wait for the certified letter?

The reason I am asking, is that I am looking to potentially schedule some class hours for Winter Semester at Columbus State.

Thanks again for your help and guidance...

Mark

—Original Message—

From: Youst, Stephanie <Stephanie.Youst@exchange.state.oh.us>

To: Mark Picknell <mark.picknell@aol.com>

Sent: Thu, Nov 19, 2015 11:24 am

Subject: RE: Mark Picknell SIT Application

Mark –

The Board reviewed your application yesterday and you are currently lacking the number of hours required to hold registration in Ohio. I have just prepared your deficit letter and sent it to our legal counsel for review. Once he gives me the OK it will be sent to you via certified mail.

After you receive the letter feel free to contact me if you have any questions regarding the information contained in the correspondence. I am hoping to send it out today or tomorrow at the latest.

Steph

Stephanie Youst

Executive Secretary

Sanitarian Registration Board

77 South High Street, 16th Floor

Columbus, Ohio 43215-6108

(614) 466-1772 (Phone)

(614) 644-8112 (Fax)

<http://sanitarian.ohio.gov>

Please complete the Board's customer satisfaction survey at: <http://www.surveymonkey.com/s/SQYRRN9>

From: Mark Picknell [<mailto:mark.picknell@aol.com>]

Sent: Thursday, November 19, 2015 11:11 AM

To: Youst, Stephanie

Subject: Mark Picknell SIT Application

Good Morning Stephanie:

I know the Sanitarian Board met to review SIT applications yesterday.

How long before I hear about my SIT status and how is this information to be communicated (i.e. regular mail, or email)

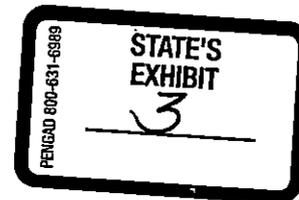
Thanks again Stephanie and have a great weekend!

Mark



Ohio State Board of Sanitarian Registration

77 South High Street, 16th Floor
Columbus, Ohio 43215-6108



March 24, 2016

Mark Picknell
1465 White Ash Drive
Columbus, Ohio 43204

Dear Mr. Picknell:

A Notice of Opportunity for Hearing was issued to you by mail on February 9, 2016 and you did not request a hearing within the thirty-day time period mandated by Section 119.07 of the Ohio Revised Code.

Please be advised that your case will come before the Board on May 18, 2016 at 11:00 a.m., 77 South High Street, 19th Floor, Room 1918, Columbus, Ohio regarding the issues outlined in the aforementioned Notice of Opportunity for Hearing. While you have the right to attend the hearing, you may not participate due to your failure to request a hearing.

After the Board takes action, you will receive a copy of the Board's final order of the Board in your case. Should you have any questions, please feel free to contact stephanie.youst@exchange.state.oh.us.

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By Order Of The State Board Of Sanitarian Registration

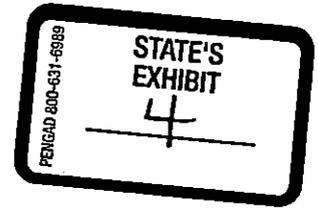
Stephanie K. Youst
Executive Secretary

Certified Mail Return Receipt: 7011 1150 0001 6784 6738

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<ul style="list-style-type: none"> Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. 	<p>A. Signature <input type="checkbox"/> Agent <input checked="" type="checkbox"/> Addressee</p> <p><i>M. Picknell</i></p> <p>B. Received by (Printed Name) <i>M. Picknell</i></p> <p>C. Date of Delivery <i>3-25-16</i></p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If YES, enter delivery address below:</p>
1. Article Addressed to:	3. Service Type
Mark Picknell 1465 White Ash Drive Columbus, Ohio 43204	<input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.
	4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No



Ohio State Board of Sanitarian Registration
77 South High Street, 16th Floor
Columbus, Ohio 43215-6108



In Re :
The Suitability of Mark A. Picknell :
To Be A Registered Sanitarian in Training :
In The State Of Ohio :

February 9, 2016
Case 2016-R-01

NOTICE OF OPPORTUNITY FOR HEARING

The State Board of Sanitarian Registration proposes to deny your application for sanitarian in training registration based upon the fact that the information submitted with your application indicates that you do not meet the requirements contained in Sections 4736.08 of the Ohio Revised Code and rule 4736-8-01 of the Ohio Administrative Code.

Revised Code Section 4736.08 specifically provides:

- (A) Graduated from an accredited college or university with at least a baccalaureate degree, including at least forty-five quarter units or thirty semester units of science courses approved by the Board; and completed at least two years of full-time employment as a sanitarian;
- (B) Graduated from an accredited college or university with at least a baccalaureate degree, completed a major in environmental health science which included an internship program approved by the Board; and completed at least one year of full-time employment as a sanitarian;

Rule 4736-8-01(C) of the Ohio Administrative Code specifically provides:

Science courses approved by the Board shall be in biology, chemistry, physics, geology or mathematics and be applicable to the practice of environmental health science. Science courses approved by the Board may include more than one area of science as specified above. Courses shall not be approved that are remedial or college preparatory level. The applicant shall provide sufficient information so that the Board can make a determination if the course is to be approved in accordance with this paragraph.

In reviewing your application for registered sanitarian, the Board found evidence showing that you completed only 13.67 of the required 30 semester hours of approved educational coursework, thereby leaving your educational coursework deficient by 16.33 semester hours.

In accordance with Chapters 119. and 4736. of the Ohio Revised Code, you are hereby notified that you are entitled to a hearing.

If you wish to request such hearing, the request must be made in writing and must be received in the offices of the State Board of Sanitarian Registration at 77 South High Street, 16th Floor, Columbus, Ohio 43215-6108 within thirty days of the date of the mailing of this notice.



Ohio State Board of Sanitarian Registration
 77 South High Street, 16th Floor
 Columbus, Ohio 43215-6108

In the event there is no request for such hearing within thirty days of the date of the mailing of this notice, the State Board of Sanitarian Registration may, upon consideration of this matter, deny your application for sanitarian in training registration.

You are further advised that you may appear at this hearing in person, by your attorney, or you may present your position, arguments or contentions in writing, and at this hearing you may present evidence or examine witnesses appearing for or against you.

By Order Of The State Board Of Sanitarian Registration

Stephanie K. Youst
 Executive Secretary

I, the undersigned, hereby certify that the foregoing is a true copy of Board of Sanitarian Registration as entered upon the Board's Journal to the parties this date the 9th day of February 2016.

Stephanie K. Youst

SENDER: COMPLETE THIS SECTION		COMPLETE THIS SECTION ON DELIVERY	
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1. Article Addressed to: Mark Picknell 1465 White Ash Drive Columbus, Ohio 43204		B. Received by (Printed Name) Mark A. Picknell	
		C. Date of Delivery FEB 11 2016	
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		3. Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.	
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Public Rules Hearing Script

May 18, 2016

Chair: I call to order a public hearing of the Sanitarian Registration Board. Let the record show that, consistent with the public notice, this hearing is being held in Room 1918 of the Riffe Center, 77 South High Street, 19th Floor, Columbus, Ohio, on Wednesday, May 18, 2016 at ___ a.m.

I am Tracy Buchanan, Chairperson of the Sanitarian Registration Board. I would also like to introduce Stephanie Youst, Executive Secretary of the Board and Scott Myers, the Board's Assistant Attorney General.

For incorporation into the record, I would ask the Executive Secretary to call roll.

Steph: James Adams
Tracy Buchanan
Charles Hart
Brian Hirsch
Keith Krinn
Charles Patterson
Gene Phillips

Chair: The chair finds that ___ of the 7 members of the Board have answered roll call and that a quorum is present.

[Have all guests signed the attendance sheet? If not, would you please do so? If you are planning to testify, please complete a witness record form, which is available from the Executive Secretary.]

The purpose of this hearing is to receive comments and testimony concerning the Board's intention to revise, rescind, or adopt new rules.

Consistent with a filing on April 8, 2016, the Board is proposing to amend the following rules:

Amendments:

4736-16-03

Valid reasons for accessing confidential personal information.

4736-16-04

Confidentiality statutes.

Those persons present are hereby advised that this is a public hearing held pursuant to Chapter 119. of the Ohio Revised Code at which any person affected by the proposed rules may appear and be heard. In all respects, this hearing shall be conducted in accordance with Chapter 119. of the Revised Code.

[Any person who wishes to testify may present his or her position, arguments, or

contentions orally or in writing; offer and examine witnesses; any may present any evidence to show that these rules are unreasonable or unlawful.

No person here may cause to examine any person giving testimony at this hearing except the members of this Board. Questions by Board members must be for the purpose of eliciting relevant and constructive information from the witness, and not for the purpose of arguing with the witness. This purpose will be repeated if the questioning goes beyond those limits.

I would like to emphasize that even if you have registered to testify, you do not have to testify, should you decide not to, or if someone else has already said what you want to say.

The purpose of this hearing is to gather testimony offering different viewpoints on the rules we are considering today, and that purpose will be repeated if testimony becomes repetitive. The Board will limit each witness' remarks to five (5) minutes; However, Board members may extend that time if they have questions or need clarification.

The Board Secretary, James Adams, will be keeping track of time. Please respect the time limits.

After all witnesses have testified, any person may ask to be recalled as a witness if he or she wishes to give additional testimony that is not redundant or repetitive of any other testimony that the Board has already heard. When presenting your testimony, please indicate at the beginning of your remarks either the rule number or numbers or the title or titles to which you are referring. If you need assistance, please see the Executive Secretary.]

I will now recognize Scott Myers, the Board's Assistant Attorney General, for the purpose of offering evidence of the Board's compliance with the requirements of Chapter 119. of the Revised Code. Mr. Myers, you may call your first witness.

AAG: As the first witness, I call Stephanie Youst (court reporter swears in Steph as a witness)

Please tell us your name and spell your last name for the court reporter.

Steph: Stephanie Youst

AAG: How are you employed?

Steph: I am the Executive Secretary of the Sanitarian Registration Board.

AAG: In that position, do you have custody and control of all documents relevant to the Board's rule promulgation proceedings?

Steph: Yes.

AAG: Have you brought those documents with you today?

Steph: Yes.

AAG: Could you please identify the document marked "State's Exhibit 1?"

Steph: Yes. State's Exhibit 1 is a copy of a letter electronically filed with the Joint Committee on Agency Rule Review, the Legislative Service Commission, and the Secretary of State's office. It shows that the rules were electronically filed with each of those agencies on April 8, 2016.

AAG: Next, I am showing you state's exhibit 2. Can you identify it?

Steph: Yes. State's Exhibit 2 is a copy of the public hearing notice that was electronically filed with the Joint Committee on Agency Rule Review, the Legislative Service Commission, and the Secretary of State's office on April 8, 2016.

AAG: Next, I am showing you a packet of documents that is marked as State's Exhibit 3. Can you identify that?

Steph: Yes. State's Exhibit 3 is a copy of the full text of the rules that were electronically filed with the Joint Committee on Agency Rule Review, the Legislative Service Commission, and the Secretary of State on April 8, 2016.

AAG: Have all proposed rules been made available to the public upon request?

Steph: Yes, they have. The Board has provided, upon request, copies of the full text of the rules to any individual that made a request. The proposed rules were also available to the public at the Register of Ohio's website.

AAG: Prior to today, did the Board receive any written testimony or comments upon these rules?

Steph: **PROCEED HERE IS THERE ARE WRITTEN COMMENTS**

Yes. The Board received comments from ...

The Board members have received copies of all written comments received to date.

AAG: *I will make those documents, collectively, as state's exhibit 4 and I move for the admission of state's exhibits 1 through 3 into evidence.*

Steph: No, the Board did not receive any written testimony or comments on these rules.

AAG: Thank you. I move for the admission of State's exhibits 1 through 3 into evidence.

Chair: Those exhibits are so admitted.

AAG: I have no other questions for this witness.

Chair: The witness is excused. The Board members each have copies of the rules and copies have been available in the Sanitarian Registration Board office. Is there a motion from the Board to waive the reading of the rules so that we may move along?

(WAIT FOR A MOTION FROM A BOARD MEMBER)

AAG: **PROCEED HERE IF THERE ARE WITNESSES**
The next witness to testify will be (NAME). Please state your name and address for the record. Are you appearing in any type of representative capacity this afternoon? Please proceed with your presentation.

Chair: *(AFTER TESTIMONY OF EACH WITNESS, ASK) Are there any questions of this witness from the Board members?*

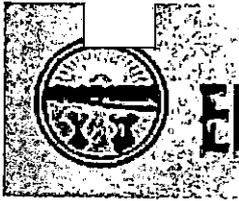
Chair: *(AFTER ALL WITNESSES HAVE TESTIFIED): Have all documents been admitted into evidence?*

AAG: I move for the admission of exhibits 4 through _____.

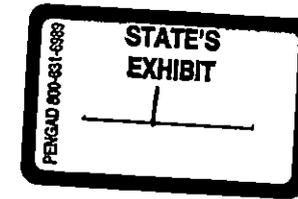
Chair: *Those exhibits are so admitted.*

Chair: **PROCEED HERE IF THERE ARE NO WITNESSES**
Are there any other witnesses to appear before the Board today? (PAUSE) Let the record show that there are no other witnesses present who wish to present testimony.

Chair: I thank you for taking the time to appear before us today and sharing your information with the members of the Board regarding these proposed rules changes. The Board will leave the record open for 10 days to allow for the submission of additional testimony. The Board will carefully review the testimony and the information submitted. Let the record show that the hearing concluded at _____ AM/PM.



Electronic Rule Filing



The Honorable Jon Husted
Secretary of State
180 E. Broad St., 15th Floor
Columbus, OH 43215

Mark Flanders, Director
Legislative Service Commission
77 South High St., 9th Floor
Columbus, OH 43215

Larry Wolpert, Director
Joint Committee on Agency Rule Review
77 South High St., Concourse Level
Columbus, OH 43215

It is hereby confirmed that the State Board of Sanitarian Registration **original** filed the following rule(s) pursuant to section 119.03 of the Ohio Revised Code.

Package Number: 164799
File Date and Time: 04/08/2016 08:34 AM
Confirmation Number: 17639b58aaa4d4dd13ffb1d36a749c

ORIGINAL FILE

Rule Number	Type	FYR	CSI	JE Date	Eff Date	Next FYR	Tagline
4736-16-03	Amendment	Y	N	06/12/2016			Valid reasons for accessing confidential person information. Confidentiality statutes.
4736-16-04	Amendment	Y	N	06/12/2016			

Notice of Public Hearing

The State Board of Sanitarian Registration, pursuant to Chapter 119. of the Ohio Revised Code, hereby gives notice that it will conduct a public hearing for the purpose of considering, rescinding or amending the following rules in the Ohio Administrative Code:

Amendments:

4736-16-03

This rule deals with the valid reasons for accessing confidential personal information.

4736-16-04

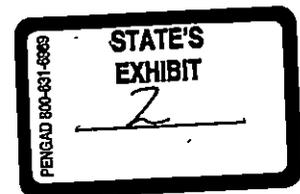
This rule deals with the confidentiality statutes.

The public hearing on the proposed action of the Sanitarian Registration Board is scheduled for Wednesday May 18, 2016 at 11:30 am at the Vern Riffe Center for the Government and the Arts, 77 South High Street, 19th Floor Room 1918, Columbus, Ohio 43215.

At said hearing any person who is affected by the proposed amended, rescinded, or new rules may appear in person, by his/her attorney or both, to present their position orally or in writing, examine witnesses, and present evidence demonstrating that the proposed rules would be unreasonable or unlawful.

The full text of the rules is available on the Register of Ohio website (<http://www.registerofohio.state.oh.us/>). All interested persons will be given an opportunity to be heard. Those persons who wish to provide oral testimony at the hearing are encouraged to inform the Board prior to the hearing date and may be given preference in the order of their testimony. Persons interested in providing written comments in lieu of oral testimony may direct them to the attention of Stephanie Youst, Executive Secretary, Ohio Sanitarian Registration Board, 77 South High Street, 16th Floor, Columbus, Ohio 43215-6108 or stephanie.youst@exchange.state.oh.us. These written comments must be received by the Board prior to the close of the hearing record.

Copies of the proposed rules will be on file with the Secretary of State, Legislative Service Commission, and the Joint Committee on Agency Rule Review at least thirty days prior to the public hearing and are available at the Sanitarian Registration Board office at the afore mentioned address.



Rule Summary and Fiscal Analysis (Part A)**State Board of Sanitarian Registration**

Agency Name

Division

Stephanie Youst

Contact

**77 South High Street 16th floor Columbus OH
43215-6108**

Agency Mailing Address (Plus Zip)

614-466-1772

Phone

614-644-8112

Fax

stephanie.youst@exchange.state.oh.us

Email

4736-16-03

Rule Number

AMENDMENT

TYPE of rule filing

Rule Title/Tag Line

Valid reasons for accessing confidential person information.**RULE SUMMARY**

1. Is the rule being filed for five year review (FYR)? Yes
2. Are you proposing this rule as a result of recent legislation? No
3. Statute prescribing the procedure in accordance with the agency is required to adopt the rule: **119.03**
4. Statute(s) authorizing agency to adopt the rule: **1347.15**
5. Statute(s) the rule, as filed, amplifies or implements: **1347.14**
6. State the reason(s) for proposing (i.e., why are you filing,) this rule:
This rule is up for five year review.
7. If the rule is an AMENDMENT, then summarize the changes and the content of the proposed rule; If the rule type is RESCISSION, NEW or NO CHANGE, then summarize the content of the rule:

This rule lists the valid reasons for accessing confidential personal information.

8. If the rule incorporates a text or other material by reference and the agency claims the incorporation by reference is exempt from compliance with sections 121.71 to 121.74 of the Revised Code because the text or other material is **generally available** to persons who reasonably can be expected to be affected by the rule, provide an explanation of how the text or other material is generally available to those persons:

This response left blank because filer specified online that the rule does not incorporate a text or other material by reference.

9. If the rule incorporates a text or other material by reference, and it was **infeasible** for the agency to file the text or other material electronically, provide an explanation of why filing the text or other material electronically was infeasible:

This response left blank because filer specified online that the rule does not incorporate a text or other material by reference.

10. If the rule is being **rescinded** and incorporates a text or other material by reference, and it was **infeasible** for the agency to file the text or other material, provide an explanation of why filing the text or other material was infeasible:

Not Applicable.

11. If **revising** or **refiling** this rule, identify changes made from the previously filed version of this rule; if none, please state so. If applicable, indicate each specific paragraph of the rule that has been modified:

Not Applicable.

12. Five Year Review (FYR) Date: 4/8/2016

(If the rule is not exempt and you answered NO to question No. 1, provide the scheduled review date. If you answered YES to No. 1, the review date for this rule is the filing date.)

NOTE: If the rule is not exempt at the time of final filing, two dates are required: the current review date plus a date not to exceed 5 years from the effective date for Amended rules or a date not to exceed 5 years from the review date for No Change rules.

FISCAL ANALYSIS

13. Estimate the total amount by which *this proposed rule* would **increase / decrease** either **revenues / expenditures** for the agency during the current biennium (in dollars): Explain the net impact of the proposed changes to the budget of your agency/department.

This will have no impact on revenues or expenditures.

0.00

N/A

14. Identify the appropriation (by line item etc.) that authorizes each expenditure necessitated by the proposed rule:

N/A

15. Provide a summary of the estimated cost of compliance with the rule to all directly affected persons. When appropriate, please include the source for your information/estimated costs, e.g. industry, CFR, internal/agency:

N/A

16. Does this rule have a fiscal effect on school districts, counties, townships, or municipal corporations? No

17. Does this rule deal with environmental protection or contain a component dealing with environmental protection as defined in R. C. 121.39? No

S.B. 2 (129th General Assembly) Questions

18. Has this rule been filed with the Common Sense Initiative Office pursuant to R.C. 121.82? No

19. Specific to this rule, answer the following:

A.) Does this rule require a license, permit, or any other prior authorization to engage in or operate a line of business? No

B.) Does this rule impose a criminal penalty, a civil penalty, or another sanction, or create a cause of action, for failure to comply with its terms? No

C.) Does this rule require specific expenditures or the report of information as a condition of compliance? No

4736-16-03

Valid reasons for accessing confidential personal information.

Pursuant to the requirements of division (B)(2) of section 1347.15 of the Revised Code, this rule contains a list of valid reasons, directly related to the sanitarian registration board's exercise of its powers or duties, for which only employees of the agency may access confidential personal information (CPI) regardless of whether the personal information system is a manual system or computer system:

(A) Performing the following functions constitute valid reasons for authorized employees of the agency to access confidential personal information:

- (1) Responding to a public records request;
- (2) Responding to a request from an individual for the list of CPI the agency maintains on that individual;
- (3) Administering a constitutional provision or duty;
- (4) Administering a statutory provision or duty;
- (5) Administering an administrative rule provision or duty;
- (6) Complying with any state or federal program requirements;
- (7) Processing or payment of claims or otherwise administering a program with individual participants or beneficiaries;
- (8) Auditing purposes;
- (9) Licensure [or permit, eligibility, filing, etc.] processes;
- (10) Investigation or law enforcement purposes;
- (11) Administrative hearings;
- (12) Litigation, complying with an order of the court, or subpoena;
- (13) Human resource matters (e.g., hiring, promotion, demotion, discharge, salary/compensation issues, leave requests/issues, time card approvals/issues);

- (14) Complying with an executive order or policy;
 - (15) Complying with an agency policy or a state administrative policy issued by the department of administrative services, the office of budget and management or other similar state agency; or
 - (16) Complying with a collective bargaining agreement provision; or
 - (17) Supervising the work of another employee.
- (B) To the extent that the general processes described in paragraph (A) of this rule do not cover the following circumstances, for the purpose of carrying out specific duties of the Ohio sanitarian registration board, authorized employees would also have valid reasons for accessing CPI in these following circumstances:
- (1) Employees of the state agency may review CPI of individuals who are subject to investigation for alleged misconduct that may result in registration discipline. Such employees may review CPI of individuals who are not the subject of the investigation, but who otherwise may be witnesses with information related to the investigation. CPI may be reviewed by such employees and members of the board in professional conduct matters that become the subject of administrative hearings.
 - (2) Authorized employees of the state agency may review CPI of persons who hold, are applying for, or are renewing a registration issued by the board for the purposes of verifying licensure, processing licensure and renewal applications, determining eligibility for licensure, performing financial transactions and reporting related to application processing, or any other activities undertaken for the purpose of carrying out that program.
 - (3) Employees assigned to fiscal and human resource positions may review CPI of vendors billing the board for services rendered and employees of the board for payroll and other human resource activities for the purpose of carrying out the board's daily activities.

Effective:

Five Year Review (FYR) Dates: 04/08/2016

Certification

Date

Promulgated Under: 119.03
Statutory Authority: 1347.15
Rule Amplifies: 1347.14
Prior Effective Dates: 11/01/2010

Rule Summary and Fiscal Analysis (Part A)**State Board of Sanitarian Registration**

Agency Name

Division

Stephanie Youst

Contact

**77 South High Street 16th floor Columbus OH
43215-6108**

Agency Mailing Address (Plus Zip)

614-466-1772

Phone

614-644-8112

Fax

stephanie.youst@exchange.state.oh.us

Email

4736-16-04

Rule Number

AMENDMENT

TYPE of rule filing

Rule Title/Tag Line

Confidentiality statutes.**RULE SUMMARY**

1. Is the rule being filed for five year review (FYR)? Yes
2. Are you proposing this rule as a result of recent legislation? No
3. Statute prescribing the procedure in accordance with the agency is required to adopt the rule: **119.03**
4. Statute(s) authorizing agency to adopt the rule: **1347.15**
5. Statute(s) the rule, as filed, amplifies or implements: **1347.15**
6. State the reason(s) for proposing (i.e., why are you filing,) this rule:
This rule is being filed because it is up for five year review.
7. If the rule is an AMENDMENT, then summarize the changes and the content of the proposed rule; If the rule type is RESCISSION, NEW or NO CHANGE, then summarize the content of the rule:

This rule lists the confidentiality statutes.

8. If the rule incorporates a text or other material by reference and the agency claims the incorporation by reference is exempt from compliance with sections 121.71 to 121.74 of the Revised Code because the text or other material is **generally available** to persons who reasonably can be expected to be affected by the rule, provide an explanation of how the text or other material is generally available to those persons:

This response left blank because filer specified online that the rule does not incorporate a text or other material by reference.

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10. If the rule is being **rescinded** and incorporates a text or other material by reference, and it was **infeasible** for the agency to file the text or other material, provide an explanation of why filing the text or other material was infeasible:

Not Applicable.

11. If **revising** or **refiling** this rule, identify changes made from the previously filed version of this rule; if none, please state so. If applicable, indicate each specific paragraph of the rule that has been modified:

Not Applicable.

12. Five Year Review (FYR) Date: 4/8/2016

(If the rule is not exempt and you answered NO to question No. 1, provide the scheduled review date. If you answered YES to No. 1, the review date for this rule is the filing date.)

NOTE: If the rule is not exempt at the time of final filing, two dates are required: the current review date plus a date not to exceed 5 years from the effective date for Amended rules or a date not to exceed 5 years from the review date for No Change rules.

FISCAL ANALYSIS

13. Estimate the total amount by which *this proposed rule* would **increase / decrease** either **revenues / expenditures** for the agency during the current biennium (in dollars): Explain the net impact of the proposed changes to the budget of your agency/department.

This will have no impact on revenues or expenditures.

0.00

N/A

14. Identify the appropriation (by line item etc.) that authorizes each expenditure necessitated by the proposed rule:

N/A

15. Provide a summary of the estimated cost of compliance with the rule to all directly affected persons. When appropriate, please include the source for your information/estimated costs, e.g. industry, CFR, internal/agency:

N/A

16. Does this rule have a fiscal effect on school districts, counties, townships, or municipal corporations? **No**

17. Does this rule deal with environmental protection or contain a component dealing with environmental protection as defined in R. C. 121.39? **No**

S.B. 2 (129th General Assembly) Questions

18. Has this rule been filed with the Common Sense Initiative Office pursuant to R.C. 121.82? **No**

19. Specific to this rule, answer the following:

A.) Does this rule require a license, permit, or any other prior authorization to engage in or operate a line of business? **No**

B.) Does this rule impose a criminal penalty, a civil penalty, or another sanction, or create a cause of action, for failure to comply with its terms? **No**

C.) Does this rule require specific expenditures or the report of information as a condition of compliance? No

4736-16-04

Confidentiality statutes.

The following federal statutes or regulations or state statutes, ~~and~~ administrative rules, and case law make personal information maintained by the agency confidential and identify the confidential personal information within the scope of rules promulgated by this agency in accordance with section 1347.15 of the Revised Code:

- (A) Social security numbers: 5 U.S.C. 552a., "State ex rel Beacon Journal v. Akron (1994), 70 Ohio St. 3d 605," unless the individual was told that the number would be disclosed.
- (B) Medical records submitted with requests for testing accommodations and/or continuing education waiver requests: 42 U.S.C. 201section 149.43 of the Revised Code and Health Insurance Portability and Accountability Act, Title II 45 CFR 160, 42 USC 1320.
- (C) College and university transcripts: 20 U.S.C. 1232gFamily Education Rights and Privacy Act, 34 CFR Part 99.

Effective:

Five Year Review (FYR) Dates: 04/08/2016

Certification

Date

Promulgated Under: 119.03
Statutory Authority: 1347.15
Rule Amplifies: 1347.15
Prior Effective Dates: 11/1/2010

Youst, Stephanie

From: wpaterson@jcarr.state.oh.us
Sent: Tuesday, April 05, 2016 1:35 PM
To: Youst, Stephanie
Cc: Kneisel, Brittney; Ben.James@ohiohouse.gov; LWolpert@jcarr.state.oh.us; gfouche@jcarr.state.oh.us
Subject: Reminder Email of Rules that Missed Five Year Review
Attachments: 4736 FYR Report of Overdue Rules as of 4-1-16.pdf

In 1996 the General Assembly passed House Bill 473 which requires agencies to review their administrative rules every five years to see if they should be rescinded or amended. If the rule does not need to be rescinded or amended, the agency is required to file the rule with JCARR as a "no-change" five year review. On a regular basis JCARR monitors rules for compliance with the five year review requirement. I am sending this letter to inform you your agency has rules that are not in compliance with the review requirement. We have attached a list of your agency's non-compliant rules. So that we can keep the JCARR committee chairman updated on your process in reviewing these rules, please call us at 614-466-4086 or email at jcarr1@jcarr.state.oh.us and inform us of your compliance efforts.

Thank you for your assistance.

Sincerely,



Chairman, JCARR

CC: Vice-Chairman Mike Duffey
JCARR



JOINT COMMITTEE ON AGENCY RULE REVIEW
Department Rules and Review Dates
Overdue Rules
Agency 4736

State Board of Sanitarian Registration - State Board of Sanitarian Registration - 2 Total Rule(s)

Review Date	Original Date	Rule Number	Title
10/28/2015	05/01/2015	4736-16-03	Valid reasons for accessing confidential person information.
10/28/2015	05/01/2015	4736-16-04	Confidentiality statutes.

Total Rules This Report - 2

***** DRAFT - NOT YET FILED *****

4736-2-01

Name.

The name of this board as fixed by section 4736.02 of the Revised Code is the state board of sanitarian registration.

Five Year Review (FYR) Dates:

Certification

Date

Promulgated Under:	119.03
Statutory Authority:	4736.03
Rule Amplifies:	4736.02
Prior Effective Dates:	9/15/1989, 6/1/1978

4736-2-01 Name.

The name of this board as fixed by section 4736.02 of the Revised Code is the state board of sanitarian gistration.

R.C. 119.032 review dates: 02/09/2012 and 06/01/2016

Promulgated Under: 119.03

Statutory Authority: 4736.03

Rule Amplifies: 4736.02

Prior Effective Dates: 9/15/1989, 6/1/1978

*** DRAFT - NOT YET FILED ***

4736-2-02

Headquarters.

The headquarters of the board shall be in Columbus, Ohio.

Five Year Review (FYR) Dates:

Certification

Date

Promulgated Under:	119.03
Statutory Authority:	4736.03
Rule Amplifies:	4736.02
Prior Effective Dates:	09/15/1989, 06/01/1978

4736-2-02 Headquarters.

The headquarters of the board shall be in Columbus, Ohio.

R.C. 119.032 review dates: 02/09/2012 and 06/01/2016

Promulgated Under: 119.03

Statutory Authority: 4736.03

Rule Amplifies: 4736.02

Prior Effective Dates: 09/15/1989, 06/01/1978

***** DRAFT - NOT YET FILED *****

4736-2-03

Terms of office: members of the board.

Terms of office after the initial appointments of the board shall be for three years, each term ending on the same day of the same month of the year as did the term which it succeeds.

Five Year Review (FYR) Dates:

Certification

Date

Promulgated Under:	119.03
Statutory Authority:	4736.03
Rule Amplifies:	4736.02
Prior Effective Dates:	09/15/1989, 06/01/1978

4736-2-03 Terms of office: members of the board.

Terms of office after the initial appointments of the board shall be for three years, each term ending on the same day of the same month of the year as did the term which it succeeds.

R.C. 119.032 review dates: 02/09/2012 and 06/01/2016

Promulgated Under: 119.03

Statutory Authority: 4736.03

Rule Amplifies: 4736.02

Prior Effective Dates: 09/15/1989, 06/01/1978

***** DRAFT - NOT YET FILED *****

4736-2-04

Vacancies: members of the board.

Terms of office shall be for three years, each term ending on the same day of the same month of the year as did the term which it succeeds. Each member shall hold office from the date of the appointment until the end of the term for which he/she was appointed.

- (A) If for any reason vacancies should occur, the person appointed to fill the vacancy shall hold office for the remainder of the term for which a predecessor was appointed.
- (B) Any board member shall continue in office until a successor takes office or until a period of sixty days has elapsed, whichever is first.
- (C) The board shall inform the governor's office immediately when any board member changes the nature of employment from the appointed designation.

Five Year Review (FYR) Dates:

Certification

Date

Promulgated Under:	119.03
Statutory Authority:	4736.03
Rule Amplifies:	4736.02
Prior Effective Dates:	08/15/2003, 06/01/1998, 09/15/1989, 06/01/1978

4736-2-04 Vacancies: members of the board.

Terms of office shall be for three years, each term ending on the same day of the same month of the year as did the term which it succeeds. Each member shall hold office from the date of the appointment until the end of the term for which he/she was appointed.

(A) If for any reason vacancies should occur, the person appointed to fill the vacancy shall hold office for the remainder of the term for which a predecessor was appointed.

(B) Any board member shall continue in office until a successor takes office or until a period of sixty days has elapsed, whichever is first.

(C) The board shall inform the governor's office immediately when any board member changes the nature of employment from the appointed designation.

R.C. 119.032 review dates: 02/09/2012 and 06/01/2016

Promulgated Under: 119.03

Statutory Authority: 4736.03

Rule Amplifies: 4736.02

Prior Effective Dates: 08/15/2003, 06/01/1998, 09/15/1989, 06/01/1978

***** DRAFT - NOT YET FILED *****

4736-3-01

Rules of order.

"Roberts's Rules of Order" shall govern the procedures of the board except as otherwise provided by the Revised Code.

Five Year Review (FYR) Dates:

Certification

Date

Promulgated Under:	119.03
Statutory Authority:	4736.03
Rule Amplifies:	4736.03
Prior Effective Dates:	06/01/1978, 09/15/1989

4736-3-01 Rules of order.

"Roberts's Rules of Order" shall govern the procedures of the board except as otherwise provided by the revised Code.

R.C. 119.032 review dates: 02/09/2012 and 06/01/2016

Promulgated Under: 119.03

Statutory Authority: 4736.03

Rule Amplifies: 4736.03

Prior Effective Dates: 06/01/1978, 09/15/1989

***** DRAFT - NOT YET FILED *****

4736-3-02

Duties of officers.

- (A) The chairperson shall preside at all meetings of the board and shall appoint all committees. The chairperson shall be the chief executive officer of the board and shall sign all certificates of registration and other documents as required by section 4736.06 of the Revised Code and as hereafter authorized by the board. The chairperson shall direct the functions of the executive secretary and have overall responsibility for the operation of the offices of the board.

- (B) The vice-chairperson shall, in the absence or incapacity of the chairperson, exercise the duties and shall possess all the powers of the chairperson.

- (C) The secretary shall have those duties and responsibilities provided by Chapter 4736. of the Revised Code. The secretary shall sign all certificates of registration and other documents as required by section 4736.06 of the Revised Code and as hereafter authorized by the board. The secretary may delegate any duties to the executive secretary which are approved by the board with the exception of those duties required of the secretary by sections 4736.03, 4736.05, and 4736.06 of the Revised Code. The secretary shall be required to provide such surety bond as the board may require.

Five Year Review (FYR) Dates:

Certification

Date

Promulgated Under:	119.03
Statutory Authority:	4736.03
Rule Amplifies:	4736.03, 4736.05, 4736.06
Prior Effective Dates:	06/01/1978, 09/15/1989, 06/01/1998

4736-3-02 Duties of officers.

(A) The chairperson shall preside at all meetings of the board and shall appoint all committees. The chairperson shall be the chief executive officer of the board and shall sign all certificates of registration and other documents as required by section 4736.06 of the Revised Code and as hereafter authorized by the board. The chairperson shall direct the functions of the executive secretary and have overall responsibility for the operation of the offices of the board.

(B) The vice-chairperson shall, in the absence or incapacity of the chairperson, exercise the duties and shall possess all the powers of the chairperson.

(C) The secretary shall have those duties and responsibilities provided by Chapter 4736. of the Revised Code. The secretary shall sign all certificates of registration and other documents as required by section 4736.06 of the Revised Code and as hereafter authorized by the board. The secretary may delegate any duties to the executive secretary which are approved by the board with the exception of those duties required of the secretary by sections 4736.03, 4736.05, and 4736.06 of the Revised Code. The secretary shall be required to provide such surety bond as the board may require.

R.C. 119.032 review dates: 02/09/2012 and 06/01/2016

Promulgated Under: 119.03

Statutory Authority: 4736.03

Rule Amplifies: 4736.03, 4736.05, 4736.06

Prior Effective Dates: 06/01/1978, 09/15/1989, 06/01/1998

***** DRAFT - NOT YET FILED *****

4736-3-03

**Notice of regular and special meetings of the state board of
sanitarian registration.**

- (A) The executive secretary shall maintain a record of each meeting of the board which shall state the time and place of each regular and special meeting of the board. Any person may determine or obtain such information at the office of the executive secretary in Columbus, Ohio, or by writing to the "Executive Secretary, State Board of Sanitarian Registration, 77 South High Street, Columbus, Ohio 43215-6108," as provided in paragraph (B) of this rule.
- (B) Any person may obtain reasonable advance written notification in the form of a copy of the agenda of all meetings by requesting to be placed on a general subscription mailing list and paying a nominal fee established by the board or by providing the executive secretary of the board with self-addressed stamped envelopes suitable for such purpose.
- (C) The executive secretary shall maintain a list of news media which have requested notification; such media shall be given at least twenty-four hours advance notice of each special meeting of the board, except in the event of an emergency requiring immediate official action. In the event of an emergency, the executive secretary of the board shall notify the news media that have requested notification immediately of the time, place, and purpose of the meeting.
- (D) The board may meet in an executive session as provided in section 121.22 of the Revised Code.
- (E) Special meetings of the board may be called as provided in section 4736.05 Revised Code.
- (F) Notice of board meetings shall be published at the board's website.

Five Year Review (FYR) Dates:

Certification

Date

Promulgated Under: 119.03
Statutory Authority: 4736.03
Rule Amplifies: 4736.03, 4736.05
Prior Effective Dates: 06/01/1978, 09/15/1989, 06/01/1998, 08/15/2003

4736-3-03 Notice of regular and special meetings of the state board of sanitarian registration.

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(B) Any person may obtain reasonable advance written notification in the form of a copy of the agenda of all meetings by requesting to be placed on a general subscription mailing list and paying a nominal fee established by the board or by providing the executive secretary of the board with self-addressed stamped envelopes suitable for such purpose.

(C) The executive secretary shall maintain a list of news media which have requested notification; such media shall be given at least twenty-four hours advance notice of each special meeting of the board, except in the event of an emergency requiring immediate official action. In the event of an emergency, the executive secretary of the board shall notify the news media that have requested notification immediately of the time, place, and purpose of the meeting.

(D) The board may meet in an executive session as provided in section 121.22 of the Revised Code.

(E) Special meetings of the board may be called as provided in section 4736.05, Revised Code.

(F) Notice of board meetings shall be published at the board's website.

C. 119.032 review dates: 02/09/2012 and 06/01/2016

Promulgated Under: 119.03

Statutory Authority: 4736.03

Rule Amplifies: 4736.03, 4736.05

Prior Effective Dates: 06/01/1978, 09/15/1989, 06/01/1998, 08/15/2003

***** DRAFT - NOT YET FILED *****

4736-3-04

Public notice rule.

At the direction of the secretary of the state board of sanitarian registration, public notice of the intention of the board to consider adopting, amending, or rescinding a rule shall be published at least thirty days prior to the date set for a public hearing to consider adopting, amending, or rescinding a rule in the "Register of Ohio" and on the board's web site. Said public notice shall consist of a synopsis or general statement of the subject matter of the proposed rule, amendment, or rule to be rescinded by the board; a statement of the reason or purpose for adopting, amending, or rescinding the rule; and the date, time and place of the hearing on the proposed action.

Five Year Review (FYR) Dates:

Certification

Date

Promulgated Under: 119.03
Statutory Authority: 4736.03
Rule Amplifies: 4736.03, 4736.05
Prior Effective Dates: 06/01/1978, 09/15/1989, 06/01/1998, 08/15/2003

4736-3-04 Public notice rule.

At the direction of the secretary of the state board of sanitarian registration, public notice of the intention of the board to consider adopting, amending, or rescinding a rule shall be published at least thirty days prior to the date set for a public hearing to consider adopting, amending, or rescinding a rule in the "Register of Ohio" and on the board's web site. Said public notice shall consist of a synopsis or general statement of the subject matter of the proposed rule, amendment, or rule to be rescinded by the board; a statement of the reason or purpose for adopting, amending, or rescinding the rule; and the date, time and place of the hearing on the proposed action.

R.C. 119.032 review dates: 02/09/2012 and 06/01/2016

Promulgated Under: 119.03

Statutory Authority: 4736.03

Rule Amplifies: 4736.03, 4736.05

Prior Effective Dates: 06/01/1978, 09/15/1989, 06/01/1998, 08/15/2003

***** DRAFT - NOT YET FILED *****

4736-3-05

Partial invalidity.

Agency 4736 of the Administrative Code is adopted in accordance with Chapter 119. of the Revised Code, and as required by section 4736.03 of the Revised Code, governing the administration of the examinations prescribed by section 4736.09 of the Revised Code; prescribing the form for application; establishing the criteria for determining what courses may be included toward fulfillment of the science course requirements of section 4736.08 of the Revised Code; determining the continuing education program requirements of section 4736.11 of the Revised Code; and for the administration and enforcement of Chapter 4736. of the Revised Code. Each rule of rules 4736-1-01 to 4736-15-02 of the Administrative Code, and every part of each rule is an independent rule and a part of a rule, and holding of any rule or part thereof to be unconstitutional, void, or uneffective for any cause does not affect the validity or constitutionality of any other rule or part thereof.

Five Year Review (FYR) Dates:

Certification

Date

Promulgated Under:	119.03
Statutory Authority:	4736.03
Rule Amplifies:	4736.03
Prior Effective Dates:	06/01/1978, 09/15/1989, 06/01/1998, 08/15/2003

4736-3-05 Partial invalidity.

Agency-level 4736 of the Administrative Code is adopted in accordance with Chapter 119. of the Revised Code, and as required by section 4736.03 of the Revised Code, governing the administration of the examinations prescribed by section 4736.09 of the Revised Code; prescribing the form for application; establishing the criteria for determining what courses may be included toward fulfillment of the science course requirements of section 4736.08 of the Revised Code; determining the continuing education program requirements of section 4736.11 of the Revised Code; and for the administration and enforcement of Chapter 4736. of the Revised Code. Each rule of rules 4736-1-01 to 4736-15-02 of the Administrative Code, and every part of each rule is an independent rule and a part of a rule, and holding of any rule or part thereof to be unconstitutional, void, or ineffective for any cause does not affect the validity or constitutionality of any other rule or part thereof.

R.C. 119.032 review dates: 02/09/2012 and 06/01/2016

Promulgated Under: 119.03

Statutory Authority: 4736.03

Rule Amplifies: 4736.03

Prior Effective Dates: 06/01/1978, 09/15/1989, 06/01/1998, 08/15/2003

***** DRAFT - NOT YET FILED *****

4736-4-01

Board seal.

The seal of the board shall be as follows: the "State Board of Sanitarian Registration" surrounding the recognized seal of the state of Ohio.

Five Year Review (FYR) Dates:

Certification

Date

Promulgated Under:	119.03
Statutory Authority:	4736.03
Rule Amplifies:	4736.04
Prior Effective Dates:	06/01/1978, 09/15/1989

Chapter 4736-4 Board Seal

4736-4-01 Board seal.

The seal of the board shall be as follows: the "State Board of Sanitarian Registration" surrounding the recognized seal of the state of Ohio.

R.C. 119.032 review dates: 02/09/2012 and 06/01/2016

Promulgated Under: 119.03

Statutory Authority: 4736.03

Rule Amplifies: 4736.04

Prior Effective Dates: 06/01/1978, 09/15/1989

***** DRAFT - NOT YET FILED *****

4736-6-01

Fiscal year.

The fiscal year of the board shall coincide with that of the state of Ohio.

Five Year Review (FYR) Dates:

Certification

Date

Promulgated Under:	119.03
Statutory Authority:	4736.03
Rule Amplifies:	4736.06
Prior Effective Dates:	06/01/1978, 09/15/1989

4736-6-01 Fiscal year.

The fiscal year of the board shall coincide with that of the state of Ohio.

.C. 119.032 review dates: 02/09/2012 and 06/01/2016

Promulgated Under: 119.03

Statutory Authority: 4736.03

Rule Amplifies: 4736.06

Prior Effective Dates: 06/01/1978, 09/15/1989

***** DRAFT - NOT YET FILED *****

4736-6-03

Board members and other employees.

- (A) Each member of the board shall be reimbursed for their actual and necessary expenses incurred in the performance of their official duties.
- (B) The board may appoint an executive secretary for full- or part-time work to serve at the pleasure of the board.
- (C) Full-time employees of the board other than the executive secretary shall be in the classified service and shall be compensated in the manner provided for such employees of the state of Ohio.
- (D) The board may provide or employ such services as may be required to carry out those administrative functions of the board not prohibited by other state laws or the provisions of Chapter 4736. of the Revised Code.
- (E) As required by section 4736.05 of the Revised Code, the board shall approve all expenses.

Five Year Review (FYR) Dates:

Certification

Date

Promulgated Under:	119.03
Statutory Authority:	4736.06
Rule Amplifies:	4736.06
Prior Effective Dates:	06/01/1978, 09/15/1989

4736-6-03 Board members and other employees.

(A) Each member of the board shall be reimbursed for their actual and necessary expenses incurred in the performance of their official duties.

(B) The board may appoint an executive secretary for full- or part-time work to serve at the pleasure of the board.

(C) Full-time employees of the board other than the executive secretary shall be in the classified service and shall be compensated in the manner provided for such employees of the state of Ohio.

(D) The board may provide or employ such services as may be required to carry out those administrative functions of the board not prohibited by other state laws or the provisions of Chapter 4736. of the Revised Code.

(E) As required by section 4736.05 of the Revised Code, the board shall approve all expenses.

R.C. 119.032 review dates: 02/09/2012 and 06/01/2016

Promulgated Under: 119.03

Statutory Authority: 4736.06

Rule Amplifies: 4736.06

Prior Effective Dates: 06/01/1978, 09/15/1989

***** DRAFT - NOT YET FILED *****

4736-6-04

Compensation and expenses.

The executive secretary shall receive a salary in the amount fixed by the board in addition to expenses permitted by state law and approved by the board incidental to carrying out duties as required by rule 4736-6-02 of the Administrative Code. The executive secretary may be an employee of the board or may be retained by contract for services.

Five Year Review (FYR) Dates:

Certification

Date

Promulgated Under:	119.03
Statutory Authority:	4736.03
Rule Amplifies:	4736.03
Prior Effective Dates:	06/01/1978, 09/15/1989

4736-6-04 Compensation and expenses.

The executive secretary shall receive a salary in the amount fixed by the board in addition to expenses permitted by state law and approved by the board incidental to carrying out duties as required by rule 4736-6-02 of the Administrative Code. The executive secretary may be an employee of the board or may be retained by contract for services.

R.C. 119.032 review dates: 02/09/2012 and 06/01/2016

Promulgated Under: 119.03

Statutory Authority: 4736.03

Rule Amplifies: 4736.06

Prior Effective Dates: 06/01/1978, 09/15/1989

***** DRAFT - NOT YET FILED *****

4736-8-02

Approved internship program.

In order to be characterized as an approved internship program as required by division (B) of section 4736.08 of the Revised Code, that program must meet the criteria and be approved by the "National Environmental Health Science and Protection Accreditation Council."

Five Year Review (FYR) Dates:

Certification

Date

Promulgated Under: 119.03
Statutory Authority: 4736.03
Rule Amplifies: 4736.08
Prior Effective Dates: 06/01/1978, 09/15/1989, 06/01/1998

4736-8-02 Approved internship program.

In order to be characterized as an approved internship program as required by division (B) of section 4736.08 of the Revised Code, that program must meet the criteria and be approved by the "National Environmental Health Science and Protection Accreditation Council."

R.C. 119.032 review dates: 02/09/2012 and 06/01/2016

Promulgated Under: 119.03

Statutory Authority: 4736.03

Rule Amplifies: 4736.08

Prior Effective Dates: 06/01/1978, 09/15/1989, 06/01/1998

***** DRAFT - NOT YET FILED *****

4736-9-04

Procedure for re-examination.

Any applicant who fails to obtain a passing score on the examination prescribed by the board may submit application for examination as provided in rule 4736-9-01 of the Administrative Code.

Five Year Review (FYR) Dates:

Certification

Date

Promulgated Under: 119.03
Statutory Authority: 4736.03
Rule Amplifies: 4736.09
Prior Effective Dates: 09/15/1989, 08/15/2003

4736-9-04 Procedure for re-examination.

Any applicant who fails to obtain a passing score on the examination prescribed by the board may submit application for examination as provided in rule 4736-9-01 of the Administrative Code.

R.C. 119.032 review dates: 02/09/2012 and 06/01/2016

Promulgated Under: 119.03

Statutory Authority: 4736.03

Rule Amplifies: 4736.09

Prior Effective Dates: 09/15/1989, 08/15/2003

*** DRAFT - NOT YET FILED ***

Meetings of the board.

4736-5-01

(A) The board shall meet at least one time each year. This annual meeting shall be held in September in the offices of the board unless otherwise specified. The purpose of the meeting shall be to carry out the provisions required by section 4736.05 of the Revised Code.

At the annual meeting, the board shall organize and elect a chairperson, vice chairperson and secretary for a term of one year. Terms of office run from October through September annually.

The chairperson shall appoint the following standing committee membership during the annual meeting. The chairperson may establish other committees as deemed necessary.

(1) Continuing education committee;

(2) Examination committee;

(3) Executive committee;

(4) Finance committee;

(5) Professional/public relations committee; and

(6) Rules committee.

(B) Other board meetings may be called at any time by the chairperson for the purpose of conducting essential business of the board.

(C) Special meetings of the board shall be called by the secretary upon the written request of any three members of the board or upon the written request of ten registered sanitarians.

4736-5-01

2

Replaces: 4736-5-01, 4736-5-02

Effective:

Five Year Review (FYR) Dates:

Certification

Date

Promulgated Under: 119.03
Statutory Authority: 4736.03
Rule Amplifies: 4736.03, 4736.04
Prior Effective Dates: 06/01/1978, 09/15/1989, 06/01/1998, 08/15/2003

***** DRAFT - NOT YET FILED *****

TO BE RESCINDED

4736-5-01

Meetings of board.

~~The board shall meet at least one time each year. This annual meeting shall be held in September in the offices of the board unless otherwise specified by the board. The purpose of this meeting shall be to carry out the provisions required by section 4736.05 of the Revised Code.~~

~~Other board meetings may be called at any time by the chairperson for the purpose of conducting essential business of the board.~~

~~Special meetings of the board shall be called by the secretary upon written request of any three members of the board or upon written request of ten registered sanitarians.~~

Effective:

Five Year Review (FYR) Dates:

Certification

Date

Promulgated Under:	119.03
Statutory Authority:	4736.03
Rule Amplifies:	4736.03
Prior Effective Dates:	06/01/1978, 09/15/1989, 06/01/1998, 08/15/2003

4736-5-01 Meetings of board.

The board shall meet at least one time each year. This annual meeting shall be held in September in the offices of the board unless otherwise specified by the board. The purpose of this meeting shall be to carry out the provisions required by section 4736.05 of the Revised Code.

Other board meetings may be called at any time by the chairperson for the purpose of conducting essential business of the board.

Special meetings of the board shall be called by the secretary upon written request of any three members of the board or upon written request of ten registered sanitarians.

R.C. 119.032 review dates: 02/09/2012 and 06/01/2016

Promulgated Under: 119.03

Statutory Authority: 4736.03

Rule Amplifies: 4736.03

Prior Effective Dates: 06/01/1978, 09/15/1989, 06/01/1998, 08/15/2003

***** DRAFT - NOT YET FILED *****

TO BE RESCINDED

4736-5-02

~~Annual meeting and organization.~~

- (A) ~~At the regular annual meeting the board shall organize and elect from among its members a chairperson and a vice chairperson for a term of one year, and elect a secretary to serve at the pleasure of the board.~~
- (B) ~~At the annual meeting the chairperson of the board shall appoint from among its members chairperson of the following standing committees:~~
- ~~(1) Executive;~~
 - ~~(2) Professional and public relations;~~
 - ~~(3) Examinations;~~
 - ~~(4) Finance;~~
 - ~~(5) Rules;~~
 - ~~(6) Continuing education.~~
- (C) ~~The members of all standing committees shall be approved by the board. The chairperson may appoint such other committees as deemed necessary.~~

Effective:

Five Year Review (FYR) Dates:

Certification

Date

Promulgated Under:	119.03
Statutory Authority:	4736.03
Rule Amplifies:	4736.04
Prior Effective Dates:	06/01/1978, 09/15/1989

4736-5-02 Annual meeting and organization.

(A) At the regular annual meeting the board shall organize and elect from among its members a chairperson and a vice chairperson for a term of one year, and elect a secretary to serve at the pleasure of the board.

(B) At the annual meeting the chairperson of the board shall appoint from among its members chairperson of the following standing committees:

(1) Executive;

(2) Professional and public relations;

(3) Examinations;

(4) Finance;

(5) Rules;

(6) Continuing education.

(C) The members of all standing committees shall be approved by the board. The chairperson may appoint such other committees as deemed necessary.

R.C. 119.032 review dates: 02/09/2012 and 06/01/2016

Promulgated Under: 119.03

Statutory Authority: 4736.03

Rule Amplifies: 4736.04

Prior Effective Dates: 06/01/1978, 09/15/1989

***** DRAFT - NOT YET FILED *****

4736-6-02

Duties.

- (A) The executive secretary, when appointed, shall be directly responsible to the chairperson of the board and shall conduct and care for all correspondence in the name of the board and shall keep a record of the board's proceedings and accounts. The executive secretary shall keep and properly file a record of all applications for registration, certificates of registration, examinations, registrations, administrative hearings and revocations. ~~The executive secretary shall prepare annually a list of the names and addresses of every person registered by the board and a list of every person whose registration has been suspended or revoked within the previous year and shall present said list to the board at such times as the board may direct. The executive secretary shall update, annually, the list of approved training agencies.~~
- (B) The executive secretary shall ~~receive and~~ account for all monies and transfer the same to the state treasurer to the credit of the "Occupational Licensing and Regulatory Fund". As directed by the chairperson, the executive secretary shall report to the board at their annual meeting. This report shall contain a summary of the board's transactions for the preceding fiscal year along with a complete statement of the receipts and expenditures of the board. Upon approval of this annual financial report, the executive secretary shall file all reports as required by the Revised Code and/or as directed by the board. The board may provide an annual summary of activities of the board for the previous year.
- (C) The executive secretary shall have such other duties as may be provided in the agreement for services with the board or position description.

Effective:

Five Year Review (FYR) Dates:

Certification

Date

Promulgated Under:	119.03
Statutory Authority:	4736.03
Rule Amplifies:	4736.06
Prior Effective Dates:	06/01/1978, 09/05/1989, 06/01/1998, 08/15/2003

4736-6-02 Duties.

(A) The executive secretary, when appointed, shall be directly responsible to the chairperson of the board and shall conduct and care for all correspondence in the name of the board and shall keep a record of the board's proceedings and accounts. The executive secretary shall keep and properly file a record of all applications for registration, certificates of registration, examinations, registrations, administrative hearings and revocations. The executive secretary shall prepare annually a list of the names and addresses of every person registered by the board and a list of every person whose registration has been suspended or revoked within the previous year and shall present said list to the board at such times as the board may direct. The executive secretary shall update, annually, the list of approved training agencies.

(B) The executive secretary shall receive and account for all monies and transfer the same to the state treasurer to the credit of the "Occupational Licensing and Regulatory Fund". As directed by the chairperson, the executive secretary shall report to the board at their annual meeting. This report shall contain a summary of the board's transactions for the preceding fiscal year along with a complete statement of the receipts and expenditures of the board. Upon approval of this annual financial report, the executive secretary shall file all reports as required by the Revised Code and/or as directed by the board. The board may provide an annual summary of activities of the board for the previous year.

(C) The executive secretary shall have such other duties as may be provided in the agreement for services with the board or position description.

R.C. 119.032 review dates: 02/09/2012 and 06/01/2016

Promulgated Under: 119.03

Statutory Authority: 4736.03

Rule Amplifies: 4736.06

Anterior Effective Dates: 06/01/1978, 09/15/1989, 06/01/1998, 08/15/2003

***** DRAFT - NOT YET FILED *****

TO BE RESCINDED

4736-14-01 **Reciprocity.**

~~The board may, upon application and proof of valid registration, issue a certificate of registration to any person who is or has been registered as a sanitarian by any other state provided:~~

- ~~(A) That the requirements of that other state at the time of initial registration in that state are determined by the board to be at least equivalent to the requirements of Chapter 4736. of the Revised Code.~~
- ~~(B) That the other state affords reciprocity to the registered sanitarians of this state.~~
- ~~(C) That the applicant has not previously been denied a certificate of registration by the board.~~
- ~~(D) That the applicant has not had a certificate of registration revoked by the board.~~
- ~~(E) That the applicant has not had a certificate of registration revoked by another state.~~

Effective:

Five Year Review (FYR) Dates:

Certification

Date

Promulgated Under: 119.03
Statutory Authority: 4736.03
Rule Amplifies: 4736.14
Prior Effective Dates: 10/30/1978, 09/15/1989, 06/01/1998

Chapter 4736-14 Reciprocity

4736-14-01 Reciprocity.

The board may, upon application and proof of valid registration, issue a certificate of registration to any person who is or has been registered as a sanitarian by any other state provided:

- (A) That the requirements of that other state at the time of initial registration in that state are determined by the board to be at least equivalent to the requirements of Chapter 4736. of the Revised Code.
- (B) That the other state affords reciprocity to the registered sanitarians of this state.
- (C) That the applicant has not previously been denied a certificate of registration by the board.
- (D) That the applicant has not had a certificate of registration revoked by the board.
- (E) That the applicant has not had a certificate of registration revoked by another state.

R.C. 119.032 review dates: 02/09/2012 and 06/01/2016

Promulgated Under: 119.03

Statutory Authority: 4736.03

Rule Amplifies: 4736.14

Prior Effective Dates: 10/30/1978, 09/15/1989, 06/01/1998

Youst, Stephanie

From: Gayle Ann Livecchia <gayle.ann.livecchia@gmail.com>
Sent: Thursday, April 07, 2016 4:06 PM
To: Youst, Stephanie
Subject: RE: Five Year Rule Review - Sanitarian Registration Rule for Review in 2016

As far as Ohio goes, it probably doesn't matter. The issue is simply credentialing people for work within Ohio. But, as everyone works at the mercy of a government budget, I think it would be something to consider to benefit people. To give them possibilities outside Ohio. One can work for the Federal government, because they just require a valid license from one of the states or territories. Agreements with other states would just give someone options, which, if laid off, can be a good thing.

Gayle Ann Livecchia, MBA MPA MS RS
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973.303.2872
gayle.ann.livecchia@gmail.com

New Jersey: Live at your own risk.
Be Kind. Everyone is fighting a battle about which you are unaware.

From: Youst, Stephanie [mailto:Stephanie.Youst@exchange.state.oh.us]
Sent: Thursday, April 07, 2016 3:24 PM
To: Gayle Ann Livecchia
Subject: RE: Five Year Rule Review - Sanitarian Registration Rule for Review in 2016

That is a state by state thing...you would have to check with each state you are interested in applying to in order to determine if they accept our license.

Steph

Stephanie Youst
Executive Secretary
Sanitarian Registration Board
77 South High Street, 16th Floor
Columbus, Ohio 43215-6108
(614) 466-1772 (Phone)
(614) 644-8112 (Fax)
<http://sanitarian.ohio.gov>

Please complete the Board's customer satisfaction survey at: <http://www.surveymonkey.com/s/SQYRRN9>

From: Gayle Ann Livecchia [mailto:gayle.ann.livecchia@gmail.com]
Sent: Thursday, April 07, 2016 3:23 PM
To: Youst, Stephanie
Subject: RE: Five Year Rule Review - Sanitarian Registration Rule for Review in 2016

Does anyone give Ohio reciprocity, or is it a state by state thing?

Is there a list somewhere of all the states and their requirements?

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New Jersey: Live at your own risk.

Be Kind. Everyone is fighting a battle about which you are unaware.

From: Youst, Stephanie [<mailto:Stephanie.Youst@exchange.state.oh.us>]
Sent: Thursday, April 07, 2016 2:55 PM
To: Gayle Ann Livecchia
Subject: RE: Five Year Rule Review - Sanitarian Registrtration Rule for Review in 2016

Gayle –

At this time we do not have reciprocity with any other state. In order to be licensed in Ohio, an individual must meet all of our minimum standards.

Steph

Stephanie Youst
Executive Secretary
Sanitarian Registration Board
77 South High Street, 16th Floor
Columbus, Ohio 43215-6108
(614) 466-1772 (Phone)
(614) 644-8112 (Fax)
<http://sanitarian.ohio.gov>

Please complete the Board's customer satisfaction survey at: <http://www.surveymonkey.com/s/SQYRRN9>

From: Gayle Ann Livecchia [<mailto:gayle.ann.livecchia@gmail.com>]
Sent: Thursday, April 07, 2016 2:54 PM
To: Youst, Stephanie
Subject: RE: Five Year Rule Review - Sanitarian Registrtration Rule for Review in 2016

Have they ever just published a list of states or a list of the states, indicating reciprocity, or for states such as NJ, with only 200 hours of SIT training, what additional training would be necessary to get an Ohio license?

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Mount Arlington, NJ 07856
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gayle.ann.livecchia@gmail.com

New Jersey: Live at your own risk.

Be Kind. Everyone is fighting a battle about which you are unaware.

From: Youst, Stephanie [mailto:Stephanie.Youst@exchange.state.oh.us]
Sent: Thursday, April 07, 2016 2:24 PM
To: gayle.ann.livecchia@gmail.com
Subject: Five Year Rule Review - Sanitarian Registration Rule for Review in 2016

You are receiving this message pursuant to Senate Bill 2 of the 129th General Assembly, which requires state agencies, including the Sanitarian Registration Board, to draft rules in collaboration with stakeholders, assess and justify any adverse impact on the business community (as defined in section 107.52 of the Revised Code).

The following rule are scheduled for five year review in 2016:

Rule Number	Rule Title
4736-14-01	Reciprocity.

If you feel that this rule has an adverse impact to business, as defined in section 107.52 of the Ohio Revised Code, please provide a summary of the estimated cost of compliance with the rule(s). Specifically, please identify the scope of the impacted business community; identify the nature of the adverse impact; and quantify, to the best of your ability, the expected adverse impact from the regulation. The adverse impact can be quantified in terms of dollars, hours to comply, or other factors.

Regardless of any potential adverse impact to business, if you have any suggestions for potential changes **to this rule**, please send your comments/suggestions to stephanie.youst@exchange.state.oh.us by May 1, 2016. All comments will be reviewed at the May 18, 2016 Board meeting.

Stephanie Youst
Executive Secretary
Sanitarian Registration Board
77 South High Street, 16th Floor
Columbus, Ohio 43215-6108
(614) 466-1772 (Phone)
(614) 644-8112 (Fax)
<http://sanitarian.ohio.gov>

Please complete the Board's customer satisfaction survey at: <http://www.surveymonkey.com/s/SQYRRN9>

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send a blank email to leave-507902-13657784.09f3088903cbaa1c5a86ba551d80bccd@list.em.ohio.gov

SIT to RS: Ohio Registered Sanitarian
Examination Descriptive Statistics &
Predictors of Passing

Victoria Holbrook
KENT STATE UNIVERSITY | MASTERS EPIDEMIOLOGY
MPH Practicum Narrative, 2016

INTRODUCTION

In Ohio, Registered Sanitarians (RS) are environmental health professionals who perform many jobs that regularly go unnoticed but are vital to daily functions of society. For example, RSs work in many areas including air and water quality, food quality and protection, housing, institutional health and safety, recreational facilities, and solid and liquid waste management, though many more areas of public health and environmental health fall under their jurisdiction (Ohio Revised Code, Section 4736.01, 2009). These areas of environmental health affect not only the physical health of the population; they can also have significant impact on the social and mental health of the population. With these all-encompassing issues as an integral part of their profession, RSs must be capable of both critically examining environmental health issues and working to address them at multiple levels. They deal on the ground with physical environmental issues, but also assist in development, implementation, and enforcement of laws and regulations surrounding environmental health. Currently in Ohio there are 1,139 active Registered Sanitarians, and 264 active Sanitarians-in-Training (SIT), all of whom are registered through the State Board of Sanitarian Registration (SBRs) (S. Youst, personal communication, April 18, 2016).

History and Requirements

Historically, sanitarians were unregistered, though as the profession grew in size and necessity, states examined ways of systematizing the practice and creating consistent standards of competency within the work force. In 1977, Amended House Bill 137 created the Ohio State Board of Sanitarian Registration. The initial bill only included voluntary sanitarian registration, however ten years later, on July 20, 1987, Amended Substitute House Bill 129 made sanitarian registration mandatory for individuals engaged

in the practice of environmental health across the state (State Board of Sanitarian Registration, n.d.). A number of periods of “grandfathering” then occurred, which automatically registered individuals with certain jobs and years of experience, as defined by the SBSR at the time.

Mandatory registration was instituted in order to set a standard of practice and specialized competence for the profession. Current requirements for registration include a bachelor’s degree, 30 semester hours of qualifying sciences (biology, physics, chemistry, geology, math, or statistics), a minimum amount of time as an active SIT (one year for those with an EHAC accredited environmental health science (EH) bachelors and internship, one year for those with a masters, two years for non-accredited EH bachelors), and passage of a standardized RS examination with a minimum score of 70% (Ohio Revised Code, Section 4736, 2009).

State Standards and Examination Necessity

Ohio is not alone in these requirements. Twenty-eight states currently require some level of credentialing for environmental health professionals and 21 mandate licensure/registration by state statute (T. Gerber, personal communication, April 11, 2016). There are differences among states regarding work experience, degree requirements, and science semester hours but 26 states require some form of proficiency testing. Of those, 15, including Ohio, utilize the exam given for the Registered Environmental Health Specialist/Registered Sanitarian (REHS/RS) Credential offered by the National Environmental Health Association, or NEHA (T. Gerber, personal communication, April 11, 2016).

NEHA was founded in 1937 with a mission of advancing and promoting competency in the field of environmental health (NEHA, 2016). They currently offer

credentials across a wide variety of environmental health specializations and, as previously noted, are used as the standard comprehensive RS licensing exam in 15 states. This type of standard comprehensive examination has been questioned in the past, however, as described in Silverman and Jones (2002) previous study of Ohio's Sanitarian registration examination, the registration process is designed to measure "professional competence as a generalist rather than measure particular technical skills in a narrow area within the environmental health discipline" and to ensure that environmental health professionals have a "holistic understanding of environmental issues". They also note that many other professions – physicians, pharmacists, veterinarians, and psychologists for example – require demonstration of overall knowledge through standardized, comprehensive examinations even though specific practitioners may specialize (Silverman & Jones, 2002).

Ohio's Examination Changes

The Professional Exam Service (PES) RS exam was the first exam used to measure proficiency by the SBSR after their creation in 1977. A passing point of 70% was used initially, though as mandatory registration was required in 1987 the SBSR reconsidered the passing score amid fears that the new requirements would result in an insufficient workforce (Silverman & Jones, 2002). The SBSR did adjust the passing score, however as mandatory registration became the norm, they readjusted it over time until it again reached 70% in June of 2000 (Silverman & Jones, 2002). That same year the NEHA exam was introduced as an alternative to the PES exam in measuring professional competence in environmental health. The SBSR offered both exams to RS candidates from April 4, 2000 through August 16, 2001 in order to determine which exam provided a better measure of competence. During that time, passage of either exam

was sufficient for the registration requirements. Silverman and Jones analyzed test and survey results from both exams during that period. While both tests showed “areas of inadequacy” PES was found to better suit the needs of the SBSR; PES better reflected a relationship between job responsibilities and test performance than the NEHA exam, was found to be perceived as more adequate by test takers, and had generally higher passing rates than the NEHA exam (Silverman & Jones, 2002).

Ohio continued to use the Professional Exam Service’s RS exam until they discontinued distribution of the exam at the end of 2012. For 2013, the SBSR moved to the NEHA exam as it was the only other nationally offered RS exam. Shortly thereafter, in July of 2014, NEHA began offering a revised/updated version of their exam to “ensure that the credential exam tests on the most up-to-date, relevant information” (NEHA News Release, 2014). This revised version is the exam currently administered as a part of registration requirements.

This change in the exam has also resulted in a change in the methods NEHA uses to score their exam; the revised version of the NEHA exam utilizes “scaled scoring”. Exam candidates raw scores are transformed in order to “report comparable results when forms and raw passing scores vary over time” per information received from NEHA by the SBSR’s Executive Secretary (S. Youst, personal communication, April 26, 2016). The scaled score is not a percentage, rather the passing score is simply 650 points on the exam. The problem this creates is that the Ohio Revised Code Section 4736-9-03 states that applicants must obtain an equivalent of 70% or better on the exam to pass. NEHA’s scaled scoring can result in a scaled passing score of 650 points per NEHA standards, but this scaled score is not always equivalent to 70%. For example, candidates for the last

seven exams given from August 2014 through March 2016 needed to score 657 points to reach the State pass point of 70%. Because of this discrepancy, a small percentage of individuals can pass the NEHA exam, but still fail to meet the state passing requirement. This is currently under review by the SBSR.

All three exams – PES, NEHA, and the revised NEHA – were 250 questions in length, though PES included 12 sections, NEHA included 15, and the revised NEHA includes only six (see Appendix A and Appendix B for the revised and original NEHA exam content areas, and a breakdown of questions per section for comparison). The SBSR was interested in looking at a number of factors like demographic information, passing rates, and predictors of passing both in general and regarding the recent variations of the test. To this end, digitized examination data was analyzed and a survey was created and disseminated among current RSs and SITs in Ohio.

METHODS

Data Cleaning and Analysis – Exam Scores

Digitized, deidentified PES and NEHA examination score data from October 2005 through December 2014 were analyzed. Within this data, the PES exam was given from October 2005 through November 2012 and included 25 testing dates and 389 individuals. In 2013, the SBSR moved to the NEHA test. The original NEHA exam was administered from March 2013 until May of 2014, over five testing dates and included 52 individuals, until NEHA introduced an updated version of the exam. Data on the revised NEHA exam spans only two testing dates, August and December of 2014 and includes 27 individuals.

While deidentified, the data included demographic information – zip codes, gender, degree type, EHS program accreditation, and major – in addition to test dates,

total scores, and section scores. Missing or questionable data was resolved through manual hardcopy file assessment. Participant anonymity was maintained as participant ID numbers were relayed to Stephanie Youst, the SBSR Executive Secretary, who was able to match them with individuals and provide the information needed. This technique resulted in no missing demographic data or exam score data.

Once all data was obtained, multi-level variables were assessed and coded (Appendix C). While dichotomous variables and continuous variables were easily coded, other variables like zip code, degree, and major were coded differently. Zip codes were coded by county into the five districts – Northeast, Northwest, Central, Southeast, and Southwest – by county as determined by the Ohio Environmental Protection Agency (Ohio Environmental Protection Agency, n.d.). The degree variable was coded into three levels: “Bachelor of Science”, “Other Bachelors”, and “Master’s or Higher”. It was of particular interest to the SBSR to examine science degrees versus non-science degrees, and graduate degrees versus undergraduate degrees. Undergraduate degree information in the data set was generally listed only as “BS” or “BA”, making them the default categories.

When deciding how to categorize and code the variable majors, a number of factors were considered. A separate category for EHS majors was mandatory, as comparison between those trained in the field versus those outside of that sphere was of significant interest. Additionally, comparing “social” sciences, health related majors, and hard sciences to one another and to EHS majors was of interest to the SBSR. The ways degrees are generally classified was considered when defining the categories, as was a previous study, *Education and subsequent success on RS exam*, which examined major,

GPA, and their relationship to passing the PES exam (Kalmus, Lao, Davis, & Kalmus, 1988). Initially, biology degrees were included with hard sciences, but after assessing the distribution among the categories, hard science degrees far outnumbered the other categories, making comparison potentially biased. As so many degrees were specifically biological, it was not odd to assess it separately from other hard sciences in order to see if there was any advantage or disadvantage to receiving that particular degree. On the other end of the spectrum, the social sciences category was relatively small, so including communication, education, and other social oriented majors helped to even the categories without drastically affecting the “type” of category.

In the end Major was coded into six levels: environmental health science (EHS), biology, health sciences, “other sciences”, social sciences, and other. “EHS” majors included any environmental health type degrees like industrial hygiene, natural resource management, environmental studies, and conservation. “Biology” included microbiology, pre-med majors, entomology, and genetics, while “health sciences” included nutrition, public health, nursing, and agriculture. “Other sciences” were non-biological, non-health, and non-environment related: engineering, geology, chemistry, and anthropology majors. “Social sciences” encompassed psychology, communication, and education. Finally, “other” included the majors that did not clearly fit into the previous categories. For example, architecture, technology management, and business were included in “other”.

Although dichotomous, accreditation was another variable that had specific considerations when categorizing. Accreditation of undergraduate and graduate EHS programs comes from The National Environmental Health Science and Protection Accreditation Council (EHAC), though it must be renewed by universities every six

years. For this reason, different universities in Ohio have been EHAC accredited at different times. In some cases accreditation was included in the data set, though it was not in others, so manual assessment of files was performed in those cases to correctly categorize individuals as having graduated from accredited or unaccredited EHS programs. Of note in terms of analysis, accreditation only applies to EHS programs, so it is limited only to those in the EHS major category.

Development and Analysis – Survey

In addition to exam data analysis, a Qualtrics survey was also developed with guidance and review by both Dr. Charles Hart and Stephanie Youst for distribution among RSs and SITs. The survey assessed additional demographic information not included in the test data, but also provided opportunity to receive feedback about particular areas of interest for the SBSR. Demographic questions assessed age, gender, race, county currently working in, graduate degree, and major. Questions then moved toward the type of test taken (PES or NEHA), number of times taken, prep materials, hours studied, mentoring, type of health department, and what was most helpful in passing the exam. Two final open-ended questions were included to allow respondents' commentary on their perceptions of biggest reasons for exam failure and general final commentary regarding the RS exam as a whole. The survey was anonymous, voluntary, and approved through the Kent State University Institutional Review Board.

An initial recruitment email was successfully sent by Stephanie Youst to 1,389 individuals on the RS Board email listserv and a week later a reminder email successfully reached 1,365 individuals. Of these, 405 individuals completed the survey. In this data set missing data was harder to manage as skip patterns were included: some questions applied only to RSs while others applied only to SITs, some questions applied to those

who reported taking the exam multiple times while others applied only to those who reported passing the exam on their first try. Initial analysis also indicated data was missing completely at random and so few were missing from each independent analysis, pairwise deletion was used to address missing data.

Analyses performed across both data sets included basic chi-square, Fisher's exact, independent and paired t-test, and logistic regression all with an α of 0.05. Various data management and analyses for both types of data were performed in Microsoft Excel 2011, SPSS Statistics version 23, and SAS 9.0.

RESULTS

RS Exam

Table 1 shows average score and average percent of individuals who passed by demographic information and exam type. Of interest, the percent of males taking the test increased from 53% on PES, to 67% on both versions of NEHA, while females have decreased from 47% on PES to 33% on both versions of NEHA. Area of residence, based on zip code, is relatively evenly split throughout the state across all three exam types.

Science bachelor's degrees are the most common across the entire data period, ranging from 67-77% of the total, while Master's degrees (12-19%) tend to be more prevalent than "other bachelor's" of any type (7-15%). Among majors, EHS majors are the most common (27-33%), while biology is the second most prevalent major up until the revised NEHA exam when health sciences become second most prevalent. Interestingly, health sciences majors grow from 14% to 32% of the total major types over the entire data period. Other sciences are the third most prevalent, followed by other. Social sciences are actually more prevalent than other in the PES data (8% compared to 7%), though in both NEHA exam periods there were zero social science majors.

Table 1. Demographic Information by Test Type

	PES			NEHA			NEHA Revised		
	n (%)	Average Score (%)	Passing Rate	n (%)	Average Score (%)	Passing Rate	n (%)	Average Score (%)	Passing Rate
Gender		**	**						
Male	206 (53)	69.8	55.3	35 (67)	66.7	37.1	18 (67)	68.0	50.0
Female	183 (47)	67.2	44.8	17 (33)	66.4	29.4	9 (33)	67.0	44.4
Area of Residence									
NE	108 (28)	66.7	49.1	13 (25)	67.6	46.2	6 (22)	67.1	66.7
NW	60 (16)	68.7	50.0	4 (8)	66.5	25.0	5 (19)	71.3	60.0
Central	74 (20)	69.3	54.1	10 (19)	68.5	40.0	5 (19)	67.9	40.0
SE	54 (14)	67.0	40.7	10 (19)	65.6	30.0	5 (19)	68.6	20.0
SW	84 (22)	69.3	53.6	15 (29)	65.0	26.7	6 (22)	63.5	50.0
Degree									
Bachelor Science	302 (77)	68.5	50.0	35 (67)	65.2	25.7	20 (74)	68.4	45.0
Other Bachelors	41 (11)	66.7	46.3	8 (15)	66.1	37.5	2 (7)	65.1	50.0
Graduate Degree	46 (12)	70.2	56.5	9 (17)	72.1	66.7	5 (19)	66.0	60.0
Major		++	++						
Environmental Health	124 (33)	70.9	60.5	12 (28)	65.3	41.7	7 (27)	70.3	57.1
Biology	83 (22)	68.7	54.2	11 (26)	66.5	27.3	5 (23)	68.2	60.0
Social Sciences	29 (8)	65.6	34.5	0 (0)	---	---	0 (0)	---	---
Health Sciences	51 (14)	65.8	25.5	9 (21)	63.6	11.1	7 (32)	67.1	28.6
Other Sciences	60 (16)	68.1	53.5	4 (9)	64.3	25.0	2 (9)	68.1	50.0
Other	29 (7)	66.3	44.8	7 (16)	66.9	28.6	1 (5)	59.4	0.00
EHS Accreditation*									
Yes	57 (44)	71.3	68.4	7 (54)	67.7	33.3	5 (63)	70.9	60.0
No	72 (56)	70.4	52.8	6 (46)	62.6	42.9	3 (36)	66.1	33.3

*EHAC Accreditation of EHS degree programs; ++ = ANOVA p-value <0.05; ** = t-test p-value <0.05

Accreditation applies only to those with EHS degrees, and the percent of those with an accredited degree has gone up over the data period, 44% to 63%.

Among average PES scores, men’s (69.8%) and women’s (67.2%) scores were significantly different (p-value = 0.0021). Additionally, both average scores and passing rates were significantly different between EHS degrees and “health sciences” and “social sciences”. Percent of individuals passing the exam also differs significantly by gender and major, with only 44.8% of females passing on their first attempt and 55.3% of males. Average score by degree on PES was not significantly different, however, they could be considered clinically different and should not be ignored. Individuals with graduate degrees averaged 70.2%, while those with bachelor’s in science averaged 68.5%, and

“other bachelor’s” averaged 66.7%. These differences are not statically significant but 70% is the pass point for the exam, making master’s degree individuals much more likely to pass on the first attempt than any bachelor’s, and much more likely than a non-science bachelor’s degree holder.

Passing rates and scores are not different by area of residence, nor was accreditation in PES, and no significance was found among any variables in any of the NEHA exam versions. It is of note that health sciences consistently has the lowest percent of individuals passing the exam; though the passing rate is close to social sciences on PES, it has no comparison in NEHA since there were no social science majors. Accreditation was not significantly

different among PES scores, but those who attended universities with accredited programs did have generally higher average scores than those of non-accredited programs on all three test types.

Tables 2, 3, and 4 show general test statistics by test date. In Table 2, PES testing dates cover 729 individual tests and the passing rate on a given date ranges from 28.13% to 63.64%. The mean passing rate is 43.94% over all 25 test dates and the average score on the exam is 67.41%. Table 3 presents NEHA exam statistics over five test dates and included 79

Table 2. PES Exam General Statistics 2005-2012

Exam Date	n	Passing Rate	Average Exam Percent
10/20/05	32	28.13%	63.59%
3/23/06	38	31.58%	66.83%
7/20/06	31	29.03%	65.25%
10/19/06	50	52.00%	68.62%
3/22/07	49	61.22%	70.29%
7/17/07	29	31.03%	66.03%
10/18/07	41	41.46%	68.44%
3/27/08	47	42.55%	67.32%
5/22/08	37	43.24%	67.38%
10/23/08	43	46.51%	67.44%
2/17/09	26	34.62%	66.15%
5/20/09	37	45.95%	69.78%
8/18/09	25	48.00%	68.56%
11/18/09	21	57.14%	70.43%
2/16/10	18	61.11%	69.72%
5/11/10	15	53.33%	67.27%
8/11/10	18	33.33%	67.67%
11/2/10	17	41.18%	68.59%
2/16/11	12	33.33%	68.83%
5/4/11	18	50.00%	67.78%
8/30/11	14	42.86%	66.14%
12/15/11	11	63.64%	66.91%
3/22/12	24	50.00%	66.75%
7/31/12	17	47.06%	66.88%
11/13/12	53	30.19%	64.25%
Totals	729	43.94%	67.41%

Table 3. NEHA Exam General Statistics 2013-2014

Exam Date	n	Passing Rate	Average Exam Percent
3/27/13	21	19.05%	62.95%
7/30/13	17	41.18%	67.47%
12/3/13	17	35.29%	66.12%
2/20/14	9	33.33%	67.56%
5/5/14	15	26.67%	66.67%
Totals	79	30.38%	65.84%

Table 4. Revised NEHA Exam General Stats 2014

Exam Date	n	Passing Rate	Average Exam Percent
8/21/14	18	56.44%	71.38%
12/4/14	10	50.00%	70.69%
Totals	28	53.22%	71.04%

Table 5. PES Exam Scores Over Multiple Tests

Times Taken	n	Mean Score	Median Score	Score Std Dev
1	389	68.6*	70.0	9.15
2	171	65.9	68.0	7.49
3	84	66.9	68.0	6.04
4	43	65.6	66.0	5.76
5	20	65.1	66.0	6.43
6	10	65.5	65.5	2.64
7	6	68.2	68.1	6.50
8	4	63.8	63.0	9.90
9	2	63.1	63.0	0.41

*= mean t-test p-value <0.05 between 1 and 2 times taken

individual tests. The exam results, while over significantly less testing dates, drop noticeably. The average passing rate was 30.38%, ranging from 19.05% to 41.18%, and the average score was 65.84%. The revised NEHA exam data is presented in Table 4. While only covering two dates and 28 individual tests, the average passing rate increased to 47.22% and the average score was 71.04%.

Table 5 displays exam score characteristics by the number of times an individual has taken the PES exam. Generally, as the number of times taking the exam increases, the mean score goes

down, as does the median. There is also a significant difference between the mean score of first time test takers (68.6%) and second time test takers (65.9%).

Survey

With regard to survey data, Table 6 and Figure 1 include general results. Most respondents were male (58%), white (94%), Registered Sanitarians (84%), and had taken the PES exam (80%). On average individuals reported studying 25-50 hours in total (30%) for the exam and 0-5 hours per week (38%), did not take a prep course (65%), and

took the exam only once (70%). Additionally, the vast majority did not plan to be an RS before getting a job requiring the RS credential (79%). Figure 1 shows what most helped individuals pass the exam, stratified by taking the exam once or multiple times. Those that passed the exam the first time reported academic preparation/college major and study materials from the employer (20%) as the most helpful preparation material, followed closely by practice exam questions (17%). Individuals who took the exam multiple times

Table 6. Survey Demographics and Odds of First Time Exam Passage

Variable	n (%)	Variable	n (%)
Gender		SIT years in field when exam taken	
Male	231 (58)	1-2	284 (80)
Female	165 (42)	3-5	69 (20)
Race		Number of times taken	
White	372 (94)	1	250 (70)
African American	18 (5)	2	52 (15)
Asian	3 (0.75)	3	38 (11)
American Indian/Alaskan	1 (0.25)	4+	18 (6)
RS Status		Percent	
Registered Sanitarian (RS)	337 (84)	70%	26 (7)
Sanitarian in Training (SIT)	27 (7)	71-74%	77 (22)
Retired RS	6 (1.5)	75-79%	65 (18)
Licensed but not working	29 (7)	80%+	94 (26)
RS but lapsed licensure	2 (0.5)	Do not remember	95 (27)
Exam Taken		Work as SIT	
PES	322 (80)	City Health Department	62 (16)
NEHA	45 (11)	County Health Department	262 (66)
Both	9 (2)	State Agency	48 (12)
Not yet taken	27 (7)	Other	25 (6)
Hours studied total		Hours studied per week	
0-25	93 (26)	0-5	133 (38)
25-50	107 (30)	5-10	123 (36)
50-100	75 (21)	10-20	62 (18)
100-150	41 (12)	20-30	22 (6)
150+	36 (10)	30-40	8 (2)
Prep Course		Employer provided study material	
No	258 (65)	No	115 (29)
Yes	136 (35)	Yes	277 (71)
Planned to be an RS		Good mentor at work	
No	85 (21)	No	95 (24)
Yes	313 (79)	Yes	298 (76)
Employer pays for exam			
Never	263 (67)		
Once	109 (28)		
Every time	18 (5)		

before passing reported studying independently as the most helpful preparation (35%), with practice exam questions second (20%).

Table 7 presents logistic predictors of passing the exam on the first attempt from both exam data and the survey. Of the three exams, only the PES exam data showed any significant predictors of exam passage. Individuals with EHS college majors were nearly 3 times more likely to pass the PES exam on the first attempt than those with “social sciences” majors (AOR: 2.91; CI: 1.25-6.78), and were 4.5 times more likely to pass than those with “health sciences” majors on the first attempt (AOR: 4.47; CI: 2.17-9.24). From reported survey data, those who were planning to be an RS were 2 times more likely to pass the exam on the first attempt than those who did not plan to be an RS (AOR: 1.98; CI: 1.01-3.89). Those who took the exam after being an SIT for only 1-2 years were almost 3 times more likely to pass the exam on the first try than those who took the exam after being an SITs for 3-5 years (AOR: 2.87; CI: 1.64-5.02). Finally, individuals who reported their employer

never pays for them to take the exam (AOR: 7.58; CI: 2.32-24.79) and those who reported their employer would pay the exam fee once (AOR: 12.77; CI: 3.67-44.4) were 7.5 and 12.8 times more likely to

Table 7. Predictors of Passing on the First Attempt

	Adjusted Odds Ratio (CI)	p-value
PES Exam Data		
Social Sciences	Referent	
EHS	2.91 (1.25-6.78)	0.0134
Health Sciences	Referent	
EHS	4.47 (2.17-9.24)	0.0014
Survey Data		
<u>Planning to be an RS</u>		
No	Referent	
Yes	1.98 (1.01-3.89)	0.0481
<u>Years as an SIT</u>		
3-5	Referent	
1-2	2.87 (1.64-5.02)	0.0002
<u>Employer Pay for Exam</u>		
Every time	Referent	
Once	12.77 (3.67-44.4)	<0.0001
Never	7.58 (2.32-24.79)	0.0008

pass the exam on their first attempt respectively, than those who's employer paid for the exam every time.

Two open-ended questions in the survey allowed respondents to comment on the biggest reasons they felt SITs had trouble passing the exam and to give general commentary on the RS exam itself. With regard to reasons for not passing, the most common themes were: not taking the test seriously, not studying enough, irrelevance to their daily job, too much material to cover with too little direction, cost of study materials, and availability of study time. Necessity of the broad scope of the test has been discussed previously and general lack of studying is a common problem, but one theme of interest among the themes themselves was the employer's potential responsibility to the SIT. Most are full time employees in addition to having home and family obligations. The costs associated with study time and study materials are a topic for the board to consider. A few RS's in particular also mentioned that they feel employers do little to help SITs pass and attributed it to the idea that many department heads were grandfathered RSs themselves, never sat for the exam, and do not appreciate the reality of the exam itself. Another topic for employers to consider is the economic cost of hiring and training an SIT but losing them when they do not pass the exam. While there is no research on either of the above ideas, they are important considerations for any business or organization that hires SITs.

The second open-ended question, other comments regarding the RS exam, generated responses that were of significant interest. The most commonly recommended book for study was the *Environmental Engineering and Sanitation* by Joseph Salvato followed by the REHS NEHA Course Exam Workbook. Many participants also

suggested a course which they remembered taking through the state, though upon review respondents could be referring to two classes: the discontinued OHD Principals Course or the Ohio Environmental Health Association (OEHA) RS Test Prep Class offered at the annual conference. It is not clear which prep course is being referred to, though in general the survey data showed that taking a prep course was not shown to be a significant predictor of passing the exam on the first attempt. Both questions reflected common themes, though mentorship and cross-training were the most often suggested ways to improve the profession and exam passing rates. Many felt that being a Sanitarian-in-Training should reflect the title: introduction and training regarding the many parts of EHS. One respondent's current situation summed up the requests of many of the suggestions: "My employer is now paying for and offering a prep course which is such a help. It's difficult to work full time as an SIT and have a family life while studying for such a broad topic exam. So, this RS exam prep course is great to have as time away from work and spent solely on preparing for the exam. Also, my work recently talked about cross training in order to see how other areas of environmental health work."

One final problem suggested by a few respondents was that the previous exams included questions that did not pertain to state law or conflicted with state regulations. While this could be true, the NEHA exam is targeted nationally and should not assess state laws or state law adherence. The revised version of the NEHA exam may have addressed this concern, though it would be advisable for licensing and registration boards in any state, and NEHA itself, to consider this issue.

DISCUSSION

Our results from both the exam data and the survey data present a few findings of statistical significance. EHS degrees are an important factor in passing the PES exam the first time especially compared to social and health science degrees. Additionally, planning to be an RS and taking the exam within the first to years of being an SIT are also important to passing the exam on the first attempt. Another surprising finding from the survey showed that the more often an employer pays for an exam the less likely the candidate is to pass on the first try. Employers who will pay for the exam once are most likely to have SITs that pass the exam on their first attempt.

Beyond only those, PES data clearly showed a significant difference in exam scores and passing rates between male and female candidates. Although later NEHA exams did not show significant difference, the SBSR should be aware of the discrepancy and assess future exam results with this in mind. It is possible that women seek different roles within the field and are not exposed well to other parts of the profession, though it is most important to assess if this trend has continued and then evaluate the possible mechanisms which result in the difference.

Two items of interest that were not significant were differences in average score on the PES exam by degree and differences in both average scores and passing rates by accreditation. As mentioned, graduate degree holders average score is above the passing point of 70%, while "other bachelor's" scores are nearly four points lower. This is not statistically significant, but that slight difference is of "clinical" importance to both the SBSR and to exam candidates. Accreditation is also of interest. There was not statistically significant differences between those with accredited EHS degrees and those

without in any test, though the difference in passing rates were close to being significantly different in PES data (p -value = 0.0721). Even so, the sample sizes are very small and further study, possibly on a national level, is necessary to come to definitive conclusions about the necessity of EHS degree accreditation and exam preparation.

Regarding exam scores and passing rates, Tables 2, 3, and 4 reflect previous literature: NEHA passing rates are lower than PES (Silverman & Jones, 2002). The revised NEHA exam shows initial improvement in passing rates compared to NEHA, and in a recent memo to the SBSR from Executive Secretary Stephanie Youst, revised NEHA exam passing rates from the seven revised NEHA exams that have been administered indicate an average passing rate of 43.3%, similar to the PES passing rate. Passing rates in general seem to fluctuate significantly and further research into why could be appropriate to standardize exam preparation and increase passing rates. Average scores are relatively similar across the exams and PES and NEHA scores reflect the 2002 findings by Silverman & Jones. Interestingly, average scores tends to go down the more an individual sits for the test, as seen in Table 5 and there is a significant difference between first and second time test takers, though both average scores are less than 70%. The median score for first time exam takers is 70% and does drop to 68% for second time test takers, reflecting the lower mean score.

Overall with regard to the exam data, PES was the only data set to have significant differences between any categories of variables. Both versions of the NEHA exam had very small sample sizes making statistically significant conclusions difficult to find. It is also problematic to draw conclusions from PES data and generalize them to two different examinations, however because they cover very similar material and affect the

same population, the information revealed in the analysis is still important to consider as the SBSR moves forward with the revised NEHA exam. A larger sample size should be analyzed in the future to reexamine passing predictors with the new examination.

Survey data included many variables to try and assess predictors of passing the exam, though as mentioned before only two were significant. Having a good mentor as an SIT was close to being a statistically significant predictor (p-value = 0.0735) as was spending 5-10 hours per week studying for the exam (p-value = 0.0842) when compared to spending 0-5 hours per week, though no other variables examined came close. The lack of significant predictors among hours spend studying was also reflected in the Silverman & Jones (2002) study; no amount of reported hours studying seemed to have any significant effect of predictive quality in terms of passing the exam.

The survey had flaws that limited results available for analysis and these should be changed in the future. Skip patterns make analysis and comparisons difficult, there was no measure of RS's who never took the exam because they were grandfathered into registration in the 70's and 80's, and where individuals work as an SIT did not include combined city and county health departments, possibly biasing the answers of that question. The survey was also more likely to be answered by those who passed the exam as a majority of respondents were RSs, and those that fail the exam are more likely to leave the field. A survey administered before or after candidates take the exam could elicit better information for the SBSR and would include those that pass and fail the exam.

Recall bias is common among survey respondents and a question was included to try and gauge potential bias. Interestingly, 36% of those that said they passed the exam

reported their passing percentages were 80% or better. As the majority of individuals who responded to the survey took the PES exam, PES data was examined again for comparison. Over the nearly eight years of PES data and 700+ distinct exam scores, only 5% of scores were 80% or higher, more or less in direct contrast to the survey responses. Of course, many individuals may have taken the PES exam prior to the eight years of data available, though it is still very unlikely that so many scored 80% or higher. This discrepancy highlights recall bias well, and for this reason reported score was not examined in relation to other variables. In future surveys, this question could be better recorded as a continuous variable for exploration against existing data more accurately.

A final variable of interest was GPA. GPA was not included in the data set, was found difficult to manually retrieve, and subsequently was not examined. Including it in future surveys or in data sets would be beneficial as previous studies reported that college GPA could potential be a predictor of passing (Kalmus, Lao, Davis, & Kalmus, 1988).

The Ohio State Board of Sanitarian Registration was interested in demographic information, passing rates, and predictors of passing regarding the RS examination and this study has provided valuable information for both SBSR members and for exam candidates. It has also gauged the changes in the exam over nearly 10 years and uncovered information that could be of use to employers of SITs as well. Importantly, it has also evaluated an examination required in many states but with very little literature surrounding passing predictors or state-to-state comparisons. This study has provided this information and created a solid foundation on which to build a much larger, national body of information regarding the RS exam.

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<http://sanitarian.ohio.gov/history.stm>

SIT to RS: Ohio Registered Sanitarian Examination Descriptive Statistics & Predictors of Passing

Victoria Holbrook, MPH Candidate

Methods

Exam Data

- Digitized, deidentified PES and NEHA examination score data from October 2005 through December 2014 were analyzed; IRB approved
 - PES: Oct. 2005 – Nov. 2012, 25 test dates, 389 candidates
 - NEHA: March 2013 – May 2014, 5 test dates, 52 candidates
 - Revised NEHA: Aug. – Dec. 2014, 2 test dates, 27 candidates
- Missing or questionable data was resolved through manual hardcopy file assessment.
 - Anonymity maintained; participant ID numbers were relayed to Stephanie Youst, SBSR Executive Secretary
 - This technique resulted in no missing demographic data or exam score data

Variable Creation

- Degree – Three levels
 - Bachelor Science
 - Other Bachelor's
 - Master's or Higher
- Major – Six levels
 - Environmental Health/Environmental Health Sciences (EHS)
 - Biology
 - Social Sciences
 - Health Sciences
 - Other Sciences
 - Other Major

Variable Creation

- Accreditation – Dichotomous
 - The National Environmental Health Science and Protection Accreditation Council (EHAC)
 - Accredits both undergraduate and graduate EHS programs though it must be renewed by universities every six years
- Zip codes – Five districts in Ohio by county, per Ohio Environmental Protection Agency (EPA)

Survey Creation

- Qualtrics survey created with Dr. Hart and Stephanie Youst and distributed among SITs and RSs
- Voluntary, anonymous, approved by the IRB
- Assessed additional demographic information (age, gender, race, county working in, graduate degree, major, etc.) and test and training related information
 - Type of test taken, number of times taken, prep materials, hours studied, mentoring, type of health department, what was most helpful in passing the exam
- Two open ended questions: biggest reasons for exam failure and general commentary on the RS exam

Survey Response

- Initial recruitment email to the RS Board email listserv (via Executive Secretary Stephanie) was successfully received by 1,389 individuals
- Reminder email 10 days later was successfully received by 1,365 individuals
- 405 completed surveys ~ 29% response rate
- Missing data was more difficult to manage due to skip patterns in the survey
 - Initial analysis indicated data was MCAR
 - Pairwise deletion to address missingness

Analyses

- General frequencies
- Chi-square; Fisher's exact test
- Independent & paired t-test
- Logistic regression
 - Significance $\alpha = 0.05$
- SPSS Statistics version 23, SAS 9.0, and Excel 2011.

Results

Table 6

Table 6. Survey Demographics and Odds of First-Time Exam Passage

Variable	n (%)	Variable	n (%)
Gender		31 years to 34th when exam taken	234 (80)
Male	211 (88)	3-5	89 (30)
Female	143 (42)	3-5	89 (30)
Race		Number of times taken	
White	372 (84)	1	235 (70)
African American	18 (5)	2	32 (10)
Asian	1 (0.3)	3	38 (12)
American Indian/Alaskan	2 (0.6)	4	9 (3)
Hispanic		5+	9 (3)
30 States		Percent	
Registered Sanitarian (RS)	637 (84)	70%	24 (7)
Sanitarian-in-Training (SIT)	27 (7)	73-74%	79 (22)
Retired RS	8 (1.3)	75-76%	93 (28)
Licensed but not working	23 (7)	80%	84 (24)
RS but never licensed	3 (0.3)	On 1st attempt	93 (27)
Local jobs		Work as SIT	
PEH	322 (80)	City Health Department	63 (14)
MHA	41 (11)	County Health Department	202 (66)
Both	9 (2)	State Agency	46 (13)
Not yet taken	37 (7)	Other	79 (9)
Hours studied total		Hours studied per week	
0-2	93 (8)	0-1	333 (14)
3-10	107 (10)	1-10	323 (14)
10-15	75 (7)	10-20	62 (3)
20-25	41 (3)	20-30	22 (1)
30+	38 (1)	30-40	4 (2)
Prep Course		Employer provided study material	
Yes	234 (65)	Yes	114 (21)
No	126 (35)	No	277 (71)
Planned to be an RS		Good measure of work	
Yes	85 (23)	Yes	85 (24)
No	313 (77)	No	296 (78)
Employer pays for exam			
Never	243 (67)		
Once	109 (28)		
Every time	18 (5)		

Figure 1

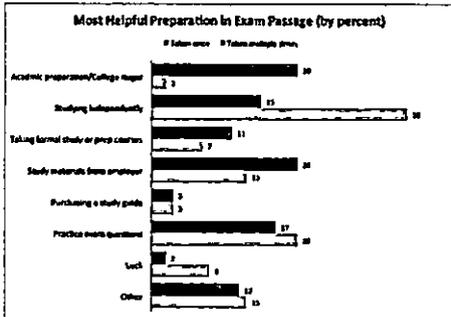


Table 7

Table 7. Predictors of Passing on the First Attempt

PEH Exam Data	Adjusted Odds Ratio (OR)	p-value
Social Sciences	Referent	
EHS	2.91 (1.25-6.76)	0.0134
Health Sciences	Referent	
EHS	4.47 (2.17-9.24)	0.0014
Survey Data		
Planned to be an RS		
No	Referent	
Yes	1.58 (1.01-2.45)	0.0461
Years as an SIT		
1-5	Referent	
3-5	2.87 (1.64-5.02)	0.0002
Employer Pays for Exam		
Every time	Referent	
Once	12.77 (5.87-44.4)	<0.0001
Never	2.58 (1.33-4.79)	0.0008

- Major
 - EHS vs Social Sci: 3x
 - EHS vs Health Sci: 4.5x
- Planning to be an RS
 - Yes: 2x
- Employer pays for exam
 - Once: 13x
 - Never: 7.5x
- Years as an SIT
 - 1-2: 3x

Discussion

Findings of Interest

- EHS degrees
- Planned to be an RS
- Taking the RS exam within the first two years of being an SIT
- Employers paying for the exam once
- Male vs. Female passing rates and average scores
- Passing rates: PES → NEHA → revised NEHA
- Mentoring and 5-10 hours of studying per week

Open Ended Question Themes

- Reasons for not passing:
 - Not taking the test seriously
 - Not studying enough
 - Irrelevance to their daily job
 - Too much material to cover with too little direction
 - Cost of study materials
 - Availability of study time
- General comments regarding the exam:
 - *Environmental Engineering and Sanitation* by Joseph Salvato & the *REHS Course Exam Workbook* by NEHA
 - Mentorship
 - Cross-training

Data & Survey Flaws

- Three different exams: generalizability
- Small sample sizes
- GPA: difficult to manually retrieve, and subsequently not examined
- Survey skip patterns
- No measure of grandfathered RSs
- Pairwise deletion in survey missing data
- Bias
 - Those who passed more likely to respond to the survey
 - Recall bias: exam scores

Conclusion

- Valuable information to the SBSR
 - EHS Degrees are important
- Gauged changes across three exams
- Guidance to SIT exam candidates and employers

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Questions?

Sanitarian Registration Board Report

Registered Sanitarian Survey

April 30th 2016, 8:32 am EST



Registered Sanitarian Examination Survey

Welcome to the "Registered Sanitarian Examination Survey" a web-based survey requesting feedback from both Registered Sanitarians and Sanitarians-in-Training with regard to the RS Exam (both PES and NEHA). Before taking part in this study, please read the consent form below and choose "I Agree" at the bottom of the page if you understand the statements and freely consent to participate in the study.

Consent Form

This study involves a web-based survey aimed at providing demographic information, study methods, and general feedback with regard to the RS Examination. The study is being conducted by Professor Charles Hart (RS) of Kent State University and Graduate Student Victoria Holbrook, in conjunction with the Ohio Board of Sanitarians, and it has been approved by the Kent State University Institutional Review Board. No deception is involved, and the study involves no more than minimal risk to participants (i.e., the level of risk encountered in daily life).

Your responses are important, as the Board intends to examine results to better guide and inform those interested in becoming an RS in Ohio about how to prepare both professionally and educationally prior to sitting for the exam. Participation in the study should take only 5-10 minutes and is strictly anonymous. Participants will answer basic demographic and education questions, and then will move onto questions regarding the RS exam including study methods, time spent studying, and basic information about SIT experiences and their contribution to preparation for the exam.

All responses are treated as confidential, and in no case will responses from individual participants be identified. Rather, all data will be pooled and published in aggregate form only. Participants should be aware, however, that the study is not being run from a "secure" https server of the kind typically used to handle credit card transactions, so there is a small possibility that responses could be viewed by unauthorized third parties (e.g., computer hackers).

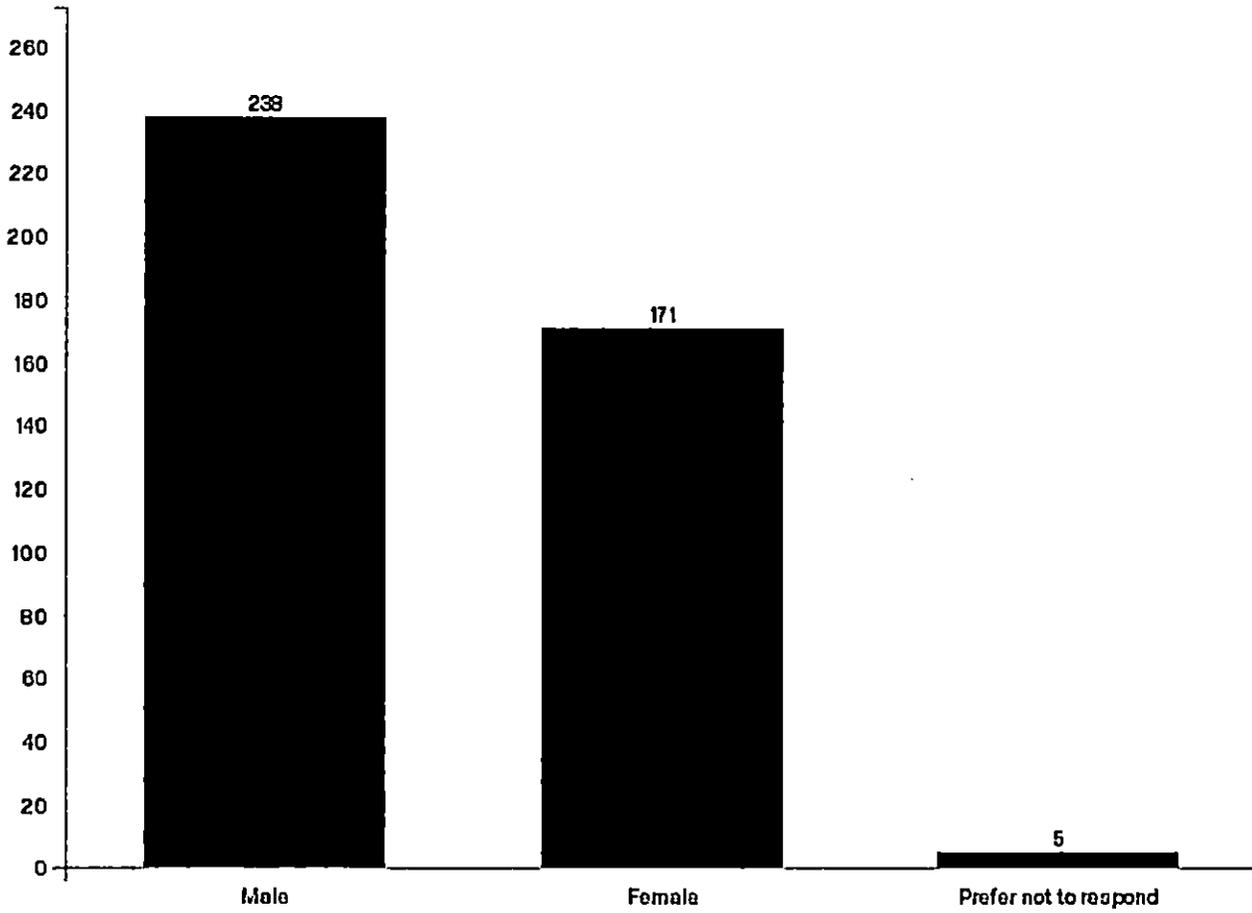
Participation is voluntary. Refusal to take part in the study involves no penalty or loss of benefits to which participants are otherwise entitled, and participants may withdraw or end the survey at any time without penalty or loss of benefits to which they are otherwise entitled.

If participants have further questions about this study or their rights, or if they wish to lodge a complaint or concern, they may contact the principal investigator, Professor Charles Hart (chart18@kent.edu), at (330) 123-4567; or the Kent State University Institutional Review Board (researchcompliance@kent.edu) at (330) 672-2704.

If you are 18 years of age or older, understand the statements above, and freely consent to participate in the study, click on the "I Agree" button to begin the survey.

Q2 - What is your gender?

Q2 - What is your gender?

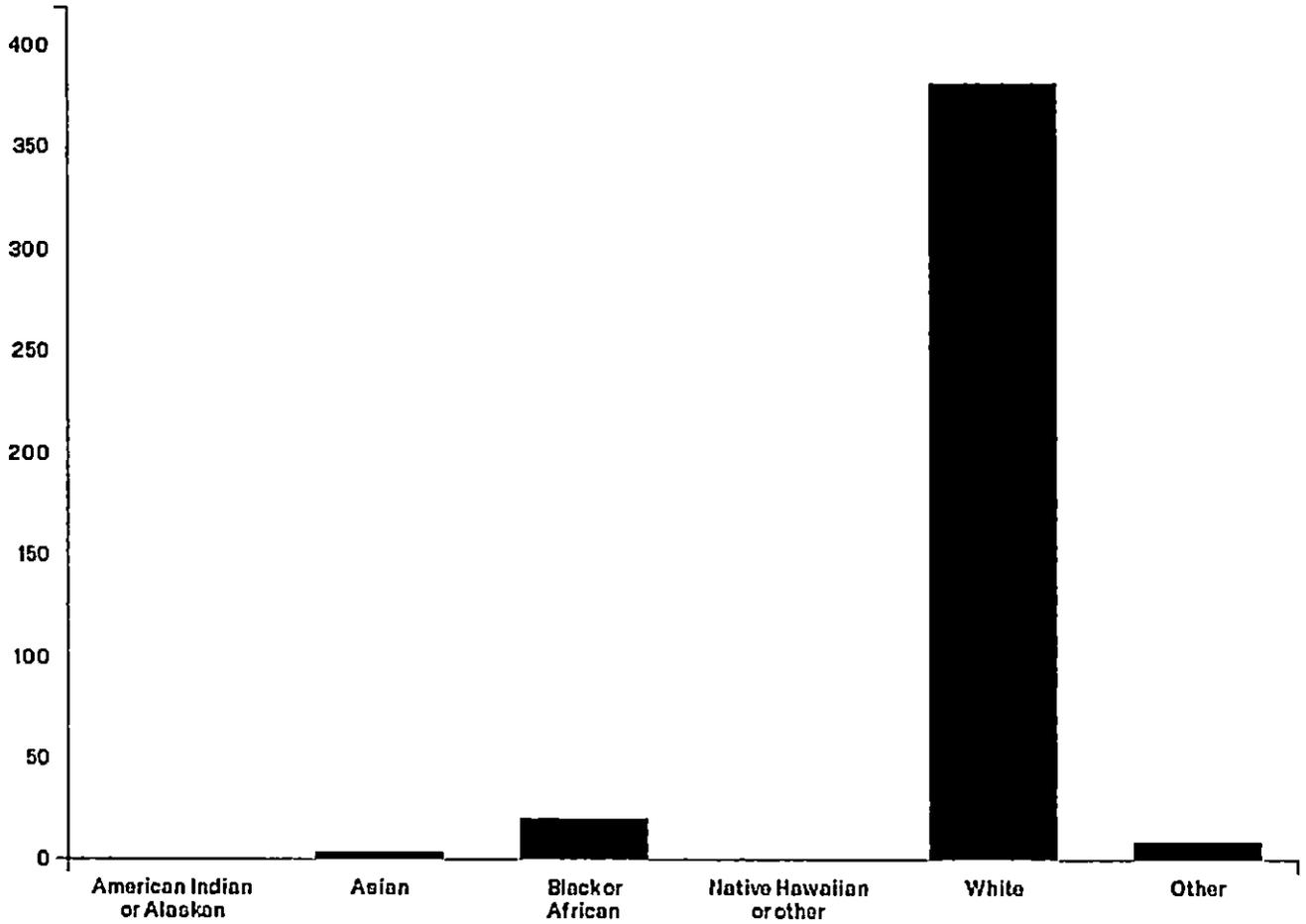


Answer	Count
Male	238
Female	171
Prefer not to respond	5
Total	414

Q3 - Select one or more of the following races:



Q3 - Select one or more of the following races:



Answer	Count
American Indian or Alaskan Native	1
Asian	4
Black or African American	20
Native Hawaiian or other Pacific Islander	1
White	380
Other	9



Other

Other

Celtic-Germanic

taino indian, black and european white

human

na

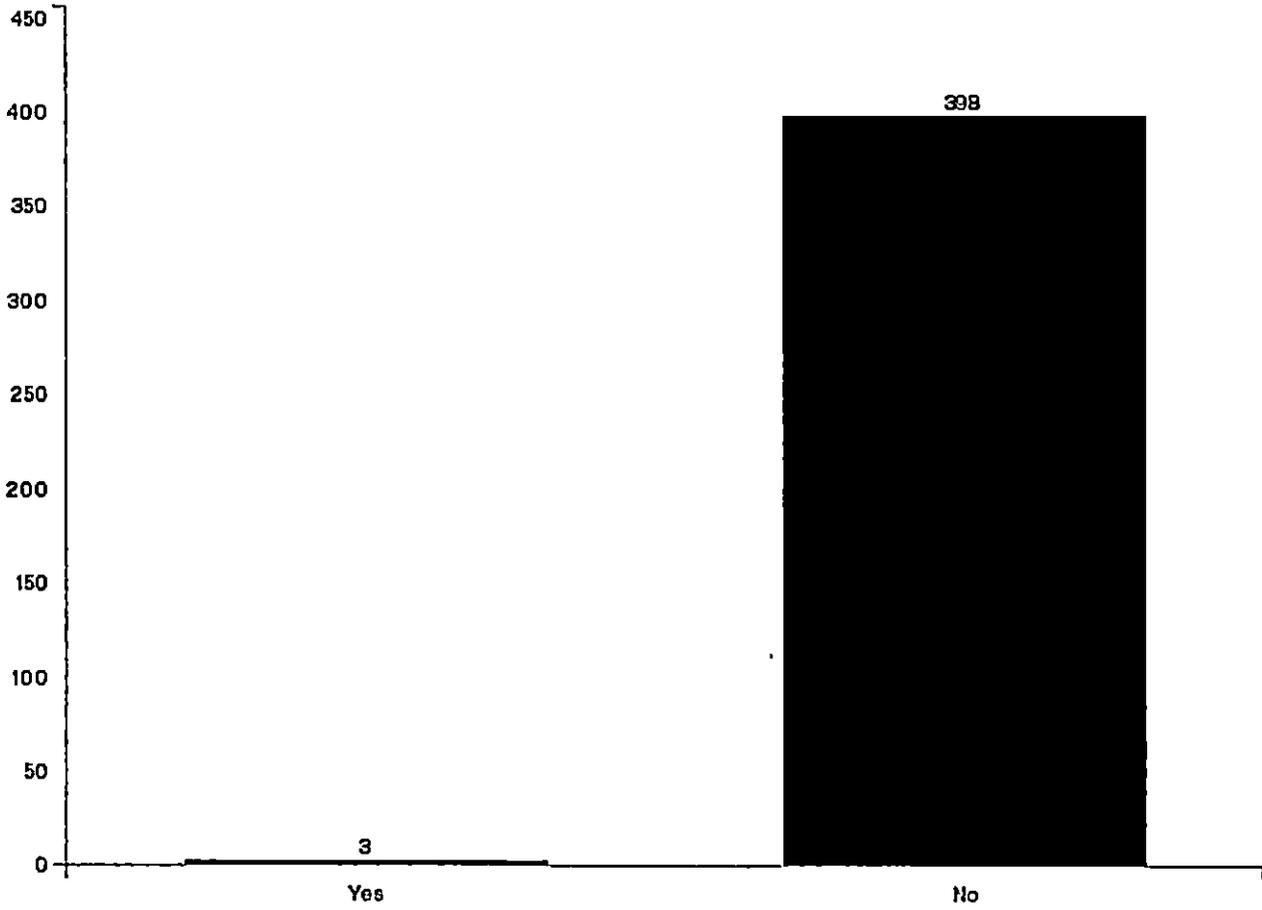
american

Irish American

White (European-American)

Q4 - Are you Hispanic or Latino?

Q4 - Are you Hispanic or Latino?



Answer	Count
Yes	3
No	398
Total	401

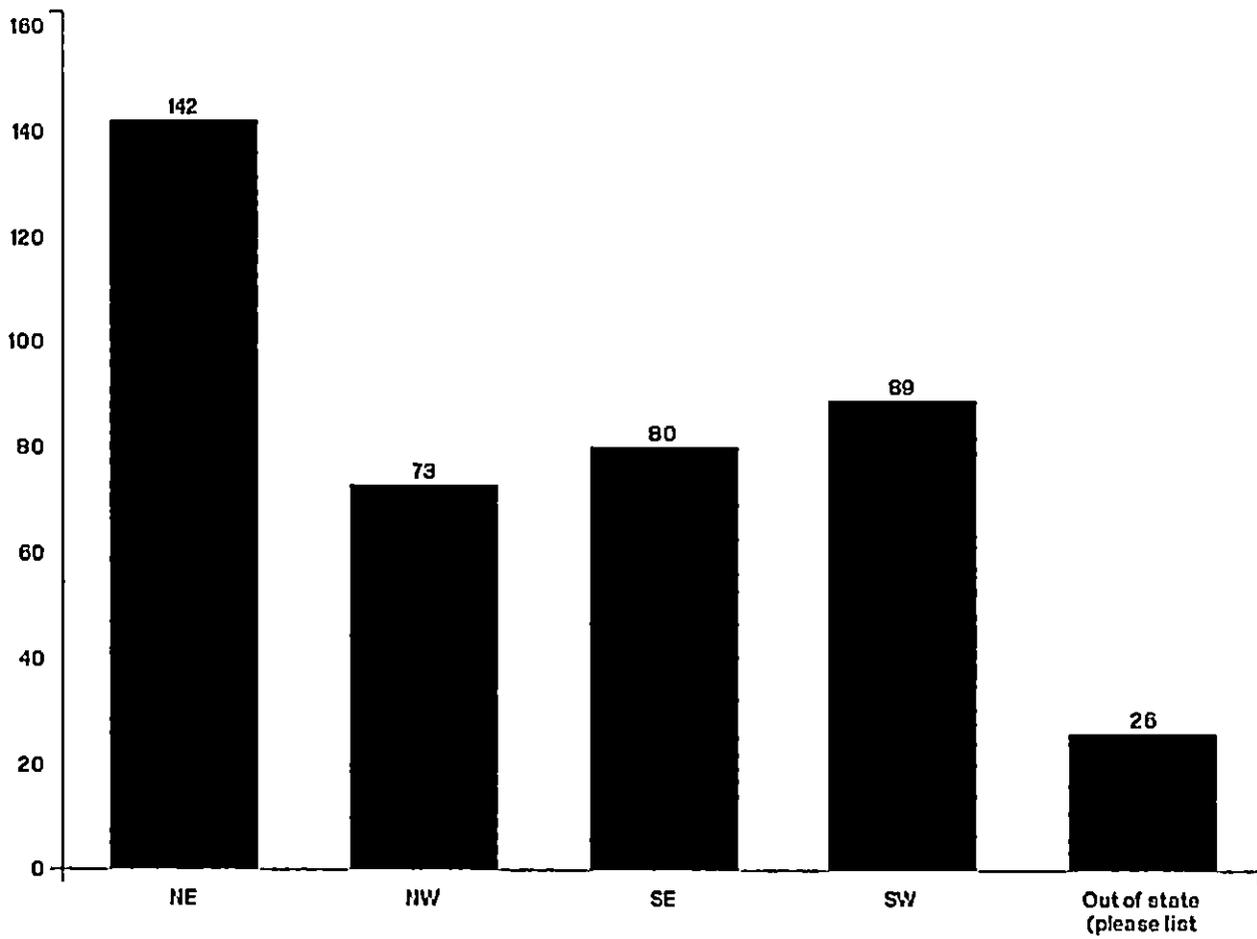
Q5 – What is your current age?

Q5 - What is your current age?

N	Mean	Median	Standard Deviation	Range
373	44.7	44	10.7	22-76

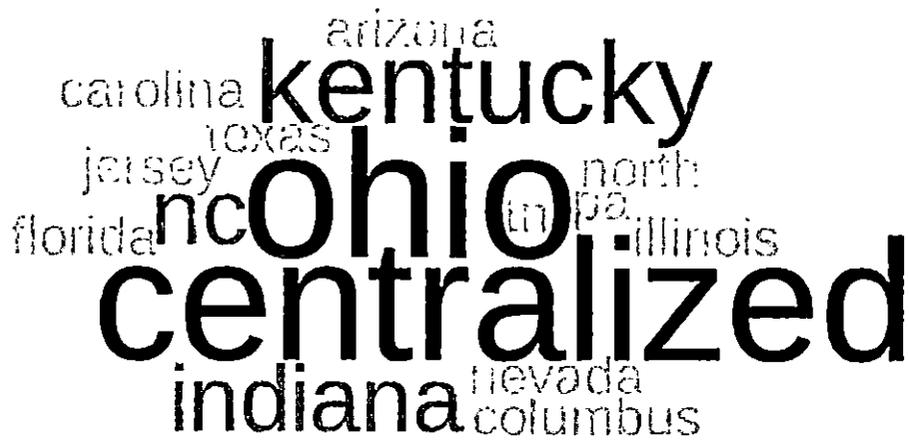
Q8 - What part of Ohio do you currently live in?

Q8 - What part of Ohio do you currently live in?



Answer	Count
NE	142
NW	73
SE	80
SW	89
Out of state (please list state)	26
Total	410

Q8_5_TEXT - Out of state (please list state)



A word cloud of out-of-state locations. The words are arranged in a roughly circular pattern. The largest word is 'centralized', followed by 'kentucky' and 'ohio'. Other words include 'indiana', 'nevada', 'columbus', 'arizona', 'carolina', 'texas', 'jersey', 'north', 'illinois', 'florida', 'nc', 'tn', and 'pa.'.

centralized
kentucky
ohio
indiana
nevada
columbus
arizona
carolina
texas
jersey
north
illinois
florida
nc
tn
pa.

Q5 – What county do you work in?

Q5 - What county do you work in?

County	Frequency	Percent
Adams	1	0.29
Ashland	6	1.76
Ashtabula	1	0.29
Athens	5	1.47
Belmont	1	0.29
Brown	1	0.29
Butler	5	1.47
Champaign	1	0.29
Clark	5	1.47
Clermont	7	2.05
Columbiana	3	0.88
Coshocton	2	0.59
Crawford	1	0.29
Cuyahoga	21	6.16
Darke	3	0.88
Defiance	1	0.29
Delaware	10	2.93
Erie	5	1.47
Fairfield	3	0.88
Fayette	1	0.29
Franklin	37	10.85
Fulton	3	0.88
Galia	1	0.29
Geauga	2	0.59
Greene	4	1.17
Guernsey	2	0.59
Hamilton	20	5.87
Henry	1	0.29
Hocking	5	1.47
Holmes	2	0.59

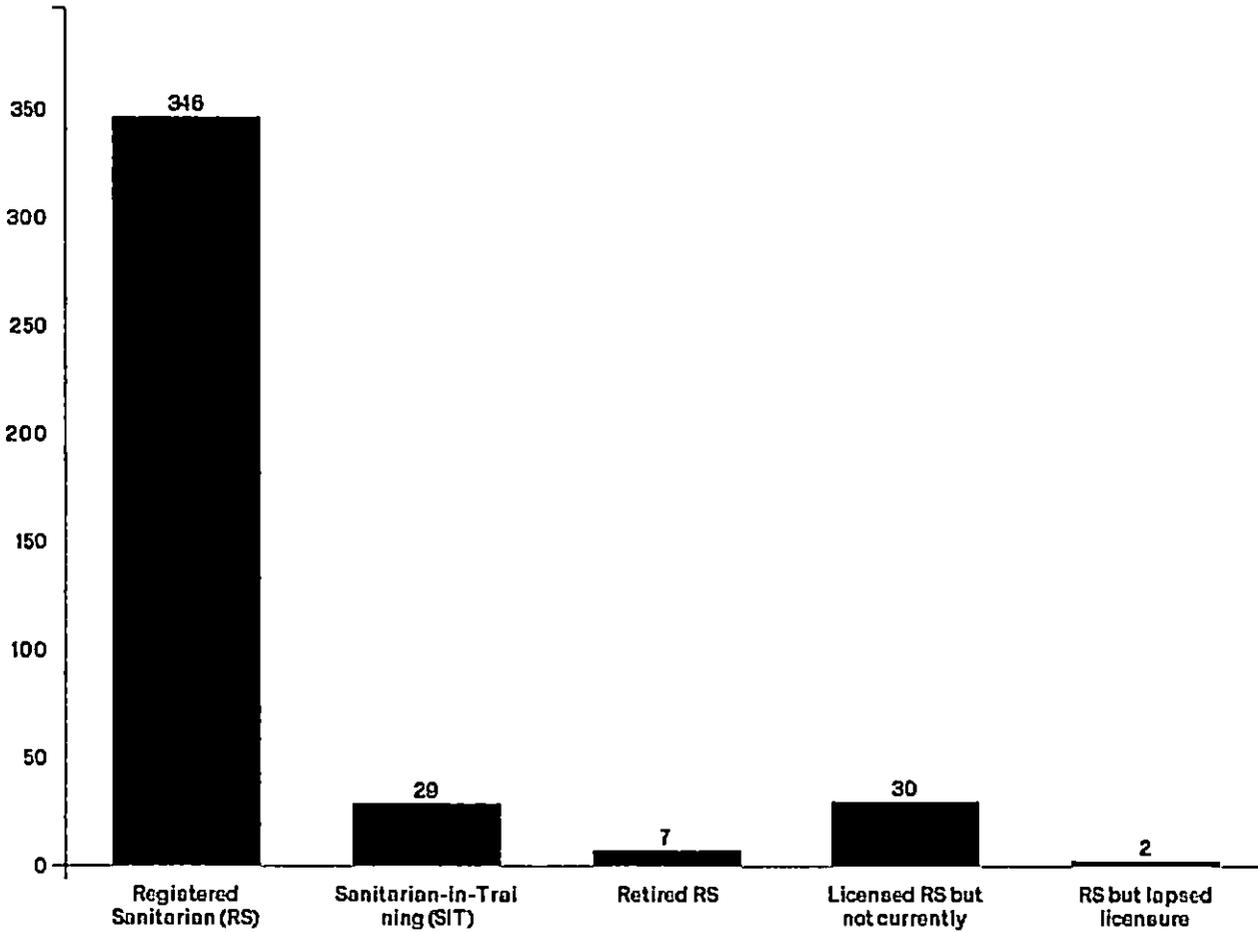
County	Frequency	Percent
Huron	1	0.29
Jackson	2	0.59
Jefferson	3	0.88
Knox	1	0.29
Lake	4	1.17
Lawrence	1	0.29
Licking	4	1.17
Logan	3	0.88
Lorain	6	1.76
Lucas	9	2.64
Madison	1	0.29
Mahoning	8	2.35
Maricopa	1	0.29
Marion	3	0.88
Medina	6	1.76
Megis	1	0.29
Miami	2	0.59
Monroe	1	0.29
Montgomery	7	2.05
Muskingum	2	0.59
Ottawa	2	0.59
Paulding	1	0.29
Perry	2	0.59
Pickaway	2	0.59
Pike	1	0.29
Portage	3	0.88
Preble	2	0.59
Richland	2	0.59
Ross	1	0.29
Sandusky	1	0.29

County	Frequency	Percent
Scioto	3	0.88
Seneca	1	0.29
Shelby	2	0.59
Stark	16	4.69
Summit	34	9.97
Trumbull	5	1.47
Tuscarawas	2	0.59
Union	2	0.59
Van wert	2	0.59
Warren	4	1.17

County	Frequency	Percent
Washington	1	0.29
Wayne	4	1.17
Williams	1	0.29
Wood	5	1.47
Wyandot	3	0.88
Southeast	1	0.29
Northeast	2	0.59
Multiple Counties	2	0.59
All Ohio	7	2.05
Nationally	1	0.29

Q42 - Which of the following are you currently:

Q42 - Which of the following are you currently:



Answer	Count
Registered Sanitarian (RS)	346
Sanitarian-in-Training (SIT)	29
Retired RS	7
Licensed RS but not currently working as an RS	30
RS but lapsed licensure	2
Total	414

Q32 - What was your undergraduate degree in?

Q32 - What was your undergraduate degree in?

Answer	Count
Anthropology	0
Biochemistry	2
Biology	108
Botany	3
Chemistry	11
Engineering	15
Environmental Health Science	99
Mathematics	1
Nutrition	7
Other	137
Physics	0
Public Health	12
Zoology	11
Total	406

Q43 - If "Other", please list your undergraduate degree:

Q43 - If "Other", please list your undergraduate degree:

If "Other", please list your undergraduate degree:

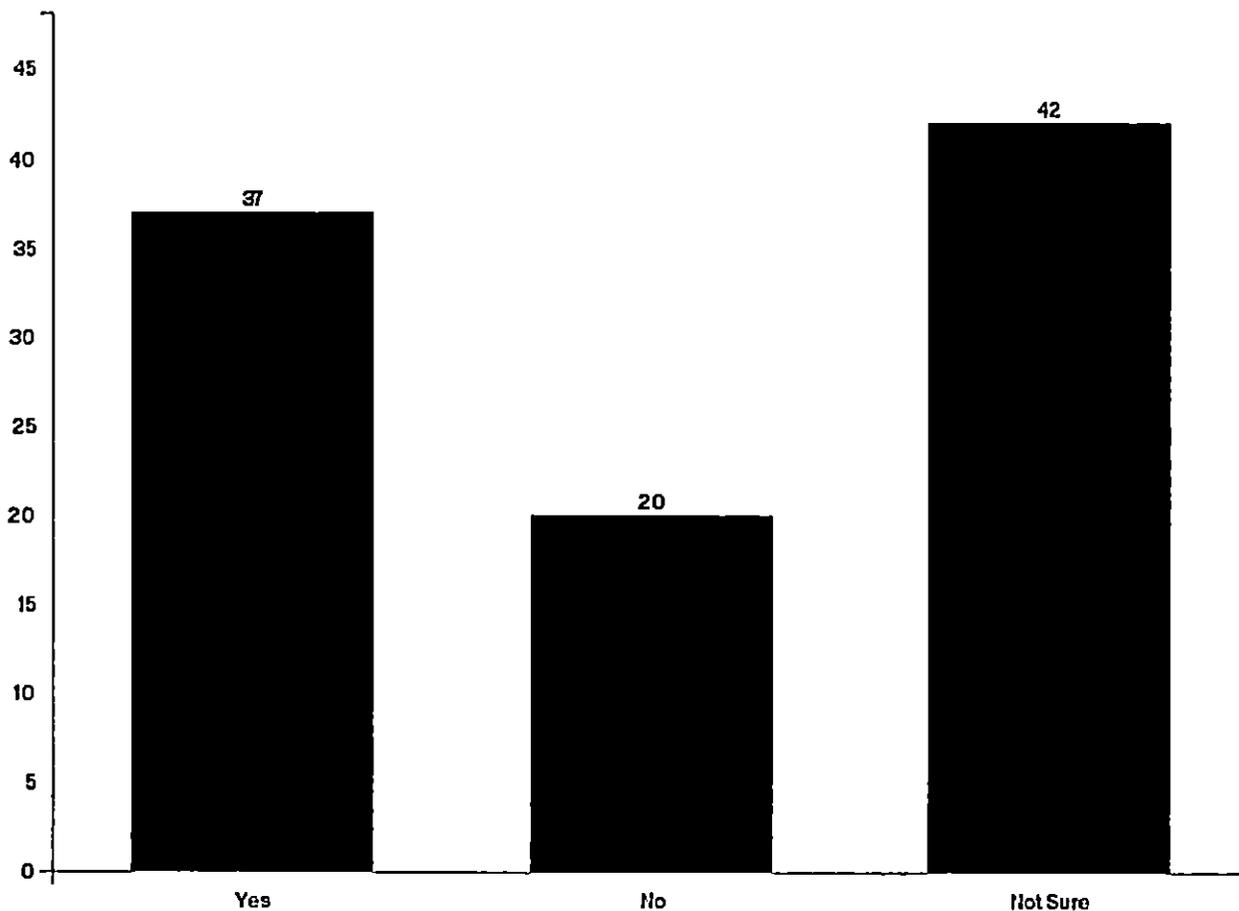
- | | |
|---|--|
| Environmental Studies | parks and wildlife |
| Bachelor of Science | Natural Resources |
| Food Science | None |
| Food Science | Animal Science |
| Food Science | Industrial Mgt |
| geology | Food Science |
| Geology | business administration |
| Conservation | agriculture |
| Microbiology | Geology |
| Environmental Biology | Science-Business |
| Environmental Engineering Technology | Wildlife Management |
| Microbiology | agr econ |
| Environmental Science | Environmetal Science |
| Geography/Environment and Society | Health@Safety |
| Microbiology | Agriculture Production |
| Agricultural Education | Forestry |
| science education grades 7-12 | Geology |
| Geology | Health Education and Comprehensive Science |
| B.S, food science | Environmental Safety |
| Microbiology | Env'tl and Hazardous Materials Mgt |
| Economics | INDUSTRIAL TECHNOLOGY |
| Dietetics | Psychology |
| Natural Resources | Forestry Resources and Conservation |
| Business Administration | Environmental Science |
| Public Adminstration | business |
| Food Science & Techonology | Environmental Science |
| Psychology | NA |
| Medical Technology | Education |
| Agriculture | Environment and Natural Resources |
| B.S. Environmental & Biological Sciences | English |
| Geology | Secondary Education |
| Geography/Cartography | Environmental Science Earth Science |
| Dietetics | Applied Science |
| Environmental engineering | agronomy |
| Hospitality Mgt | Microbiology |
| Agriculture education/Parks and Recreation Administration | Agriculture |
| Agriculture | no |
| Agronomy | B.S. Earth Science |
| Geology | Interpersonal Communcations |
| Food Science and Technology | Geography |
| Agriculture | Science Education |
| Liberal Arts | Comprehensive Science Education |
| Communication Disorders | Dairy science |
| bs | Bachelor science Pre-Meteorology |

agronomy
BS Wildlife Mgt.
Finance, Management and Administration
Environmental Science
Natural Resources
Environmental Geology
Education (Life Science/Biology)
Conservation
Business
Geology
Health Administration
BS Human Ecology
conservation
Geology
Environmental & Hazardous Materials Management
Agriculture
Geology
Environmental Science
Geology
Environmental Science- Geology
Natural Resources Conservation
Applied Science
Agriculture
Geology

Natural Resource management
BS Agriculture
Criminal Justice
Geology
Animal Science
Marketing
Agricultural Sciences
Psychology
Natural Resources
Management
Food Science and Technology
Business Administration
Environmental Management
Applied Health Science
Environmental Studies
Pharmaceutical Sciences
Animal Sciences
Environmental Science
Wildlife and Fisheries Management
Geology
Dairy Science
High School Diploma
Nursing

Q33 - Was it an EHAC (National Environmental Health Science and Protection Accreditation Council) accredited program at the time of your graduation?

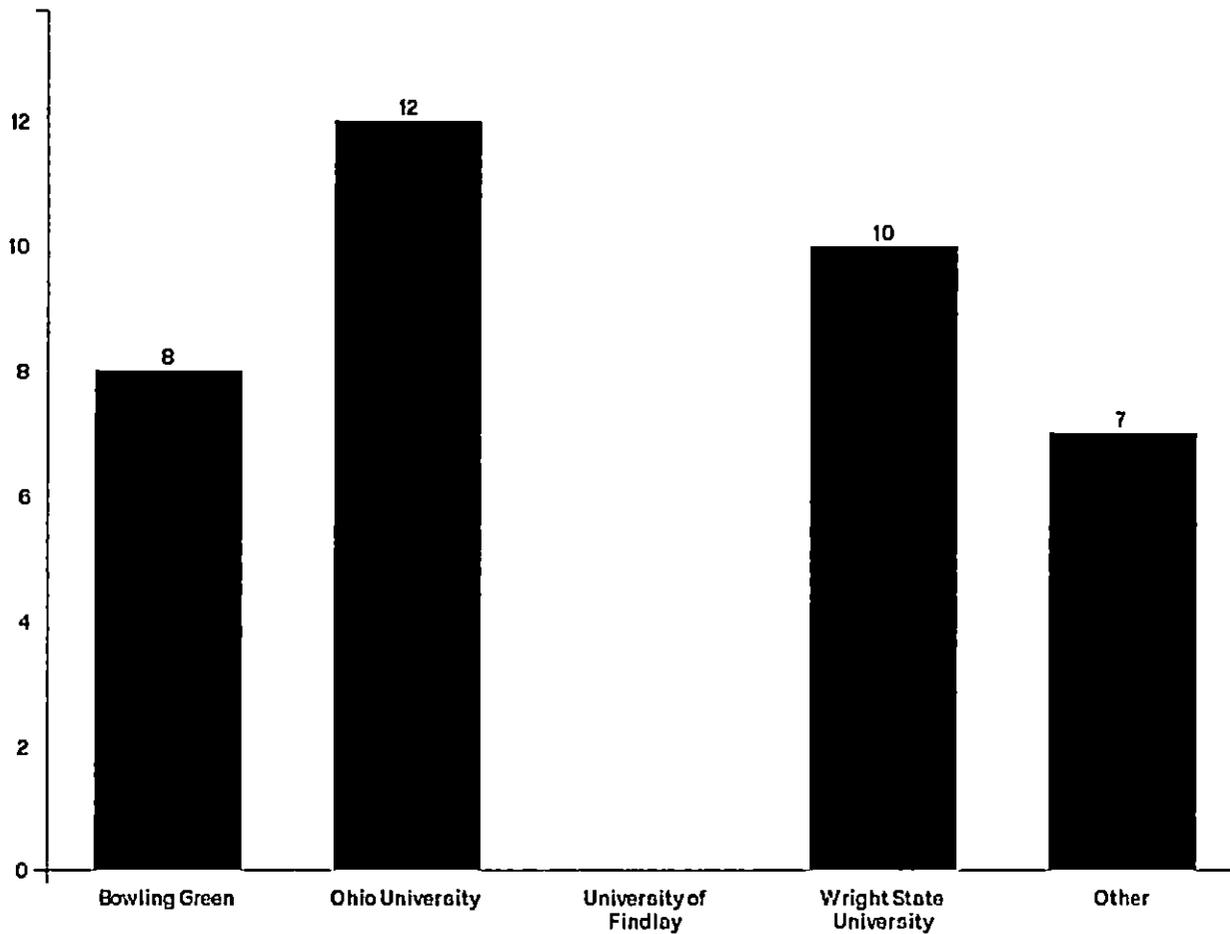
Q33 - EHAC Accredited university?



Answer	Count
Yes	37
No	20
Not Sure	42
Total	99

Q41 - What university did you attend for your undergraduate degree?

Q41 - If EHAC Accredited, what university?



Answer	Count
Bowling Green	8
Ohio University	12
University of Findlay	0
Wright State University	10
Other	7
Total	37

Q42 - If "Other", what EHAC accredited university did you attend for your undergraduate degree?

Q42 - If "Other", which EHAC Accredited university?

If "Other", what EHAC accredited university did you attend for your undergr...

Cleveland State

Western Kentucky University

other

Cleveland State University

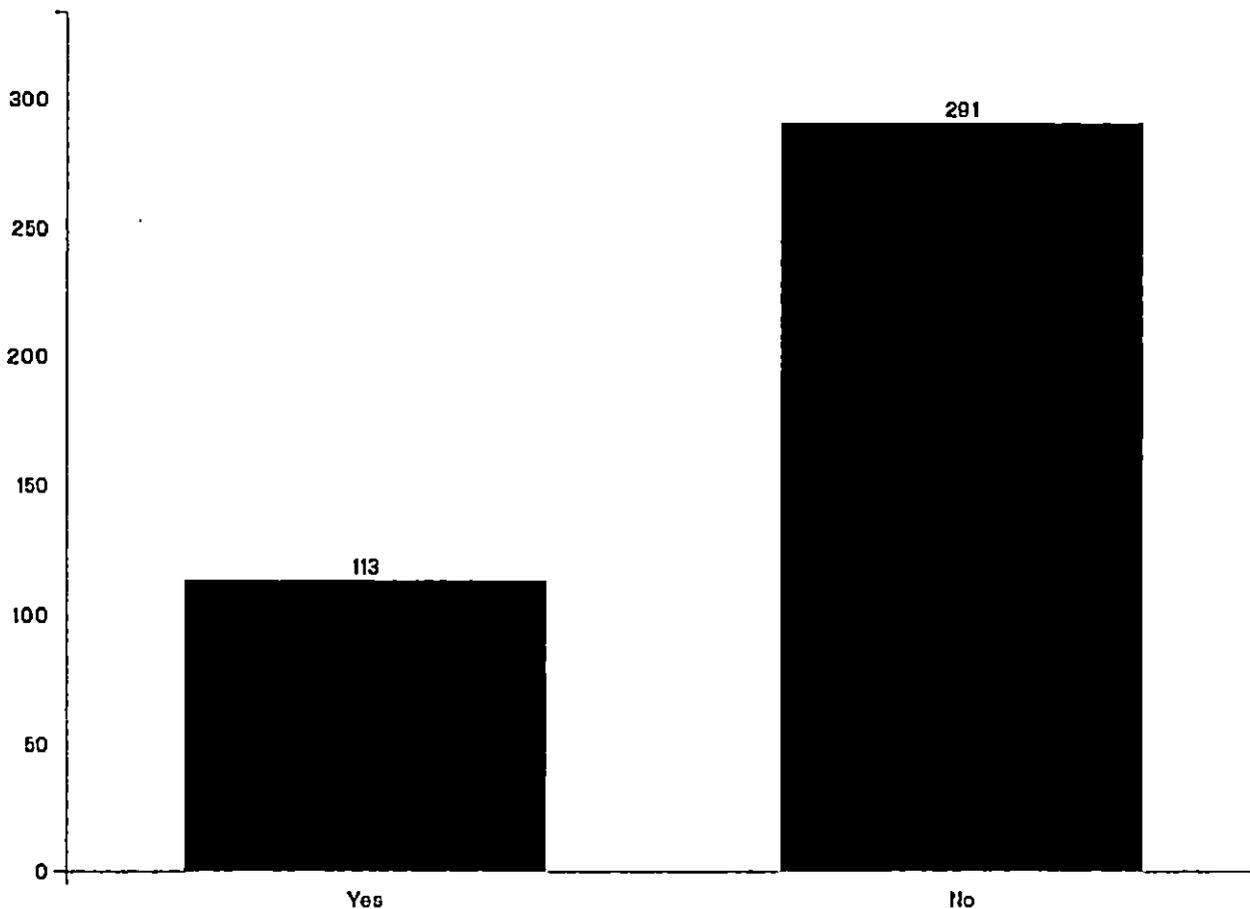
UW-Eau Claire

Eastern Kentucky University

Purdue University

Q27 - Did you have a graduate degree at the time of taking the Registered Sanitarian (RS) exam?

Q27 - Did you have a graduate degree at the time of taking the RS Exam?



Answer	Count
Yes	113
No	291
Total	404

Q28 - If "Yes", please list it below:

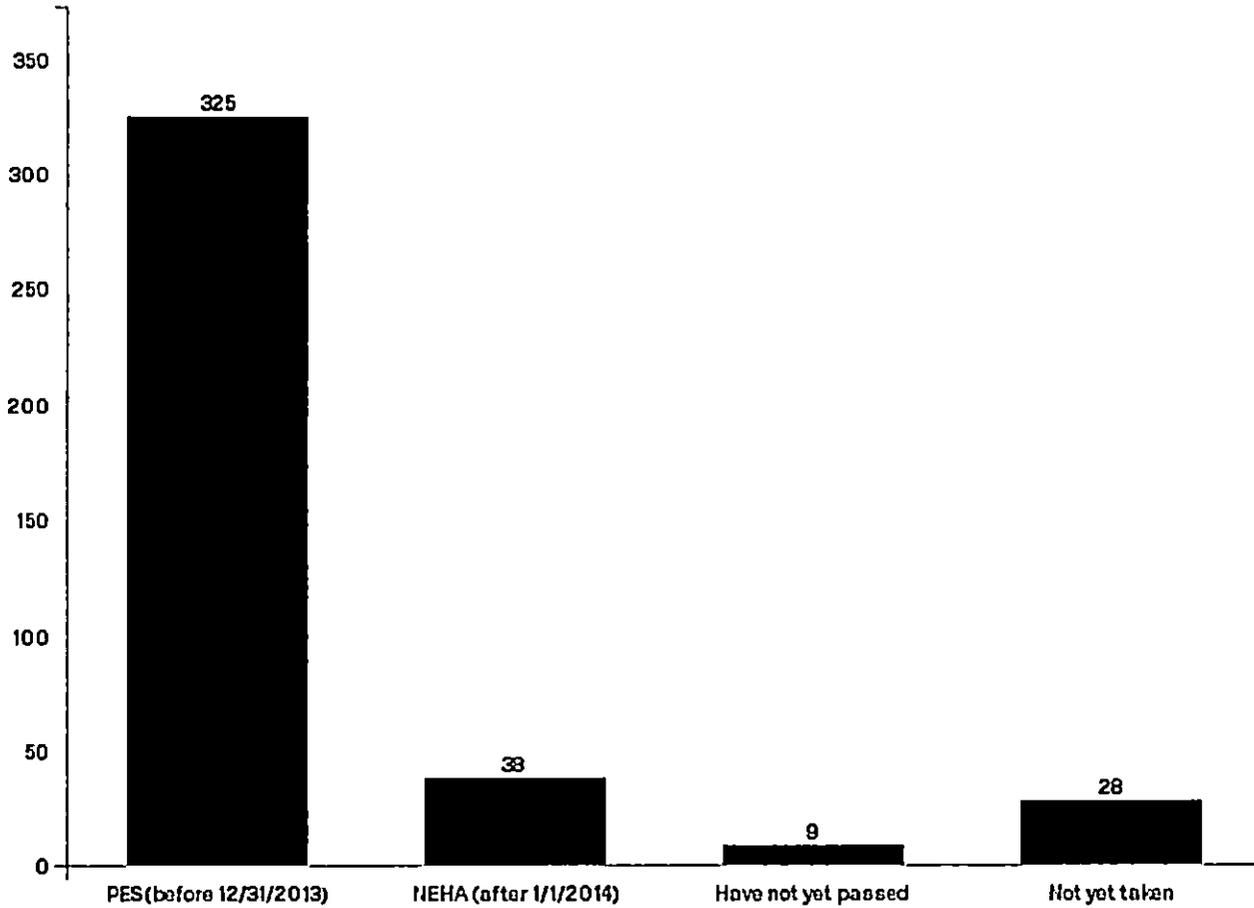
Q28 - If "Yes", please list it below:

If "Yes", please list it below:

PhD	Natural resources and environmental management
B.S.	Master of Science - Civil Engineering
MPH	master of environmental pollution control
Master's of Science	Yes
Environmental Science	MS in Civil Engineering
Environmental Studies	B.S. biology/minor chemistry
Master of Public Health	Bachelor of Science
M.S. Soil Science	Master of Science in Education
BS	bs
BS, Zoology	Masters in Education
Master of Public Health	MBA
Masters in Public Health	Health Administration
BS	MS in Environmental Policy
Masters of Environmental Studies	Bachelor
Masters of Science	Master of Public Health
BA	Environmental Health
MA	na
Master of Divinity	Masters in environmental geography
BA	MS Preventive Medicine
Public Health	Geology
BSEHS	Master of Public Health
Urban and regional Planning	Master of Environmental Sciences
Microbiology	MS Civil Engineering
Geology	Masters of Environmental Science
BS	MA
MS in Geology	MPH
M.S. Geology/Geophysics	MS, Environmental Management
MS. Botany	M.S. in Agronomy
Environmental Communications	Masters of Public Administration
M.A. Industrical Psychology	MS, Agricultural Economics
MPH	MS MPH MBA
Geology	MPH

Q10 - Which RS exam did you take and pass?

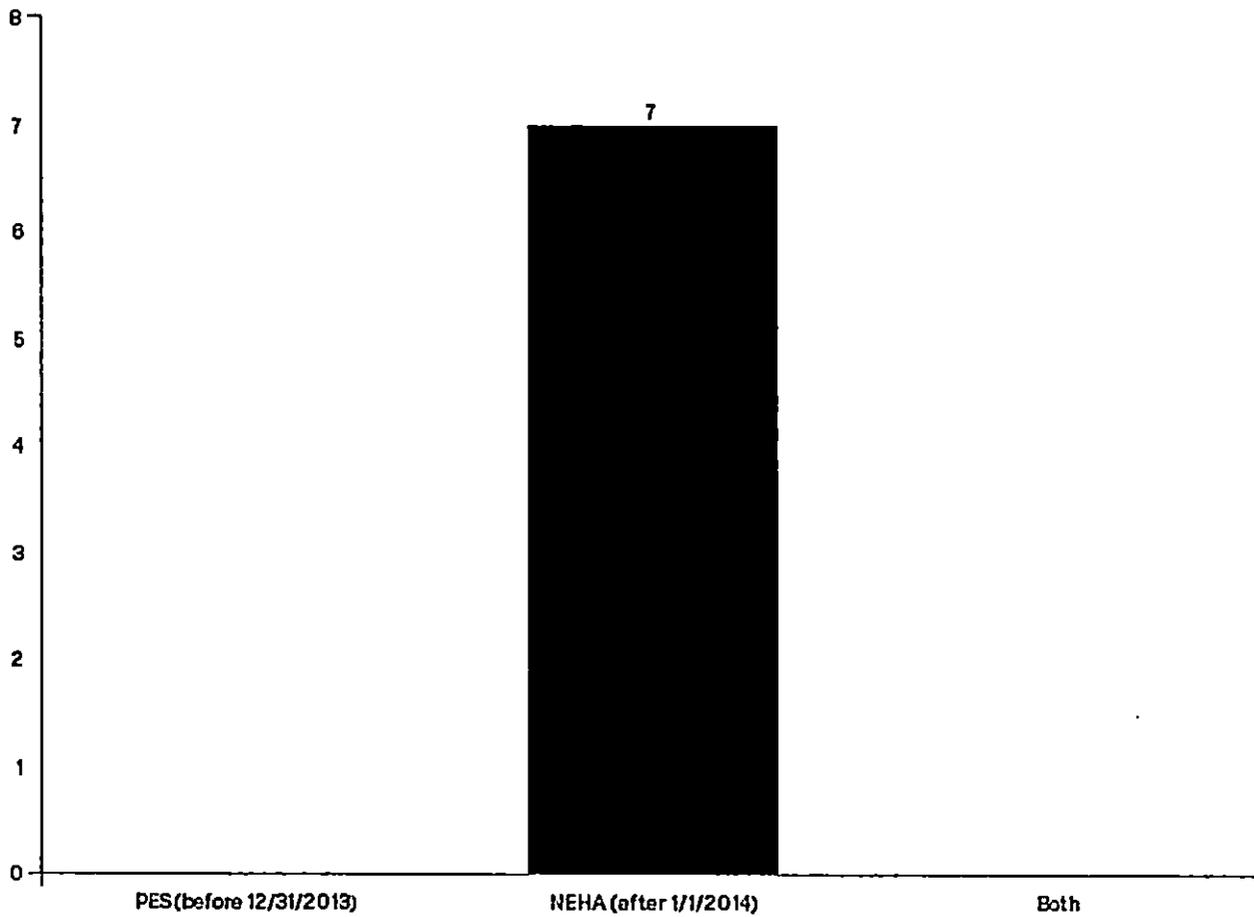
Q10 - Which RS exam did you take and pass?



Answer	Count
PES (before 12/31/2013)	325
NEHA (after 1/1/2014)	38
Have not yet passed	9
Not yet taken	28
Total	400

Q11 - If you have not yet passed, which exams have you taken?

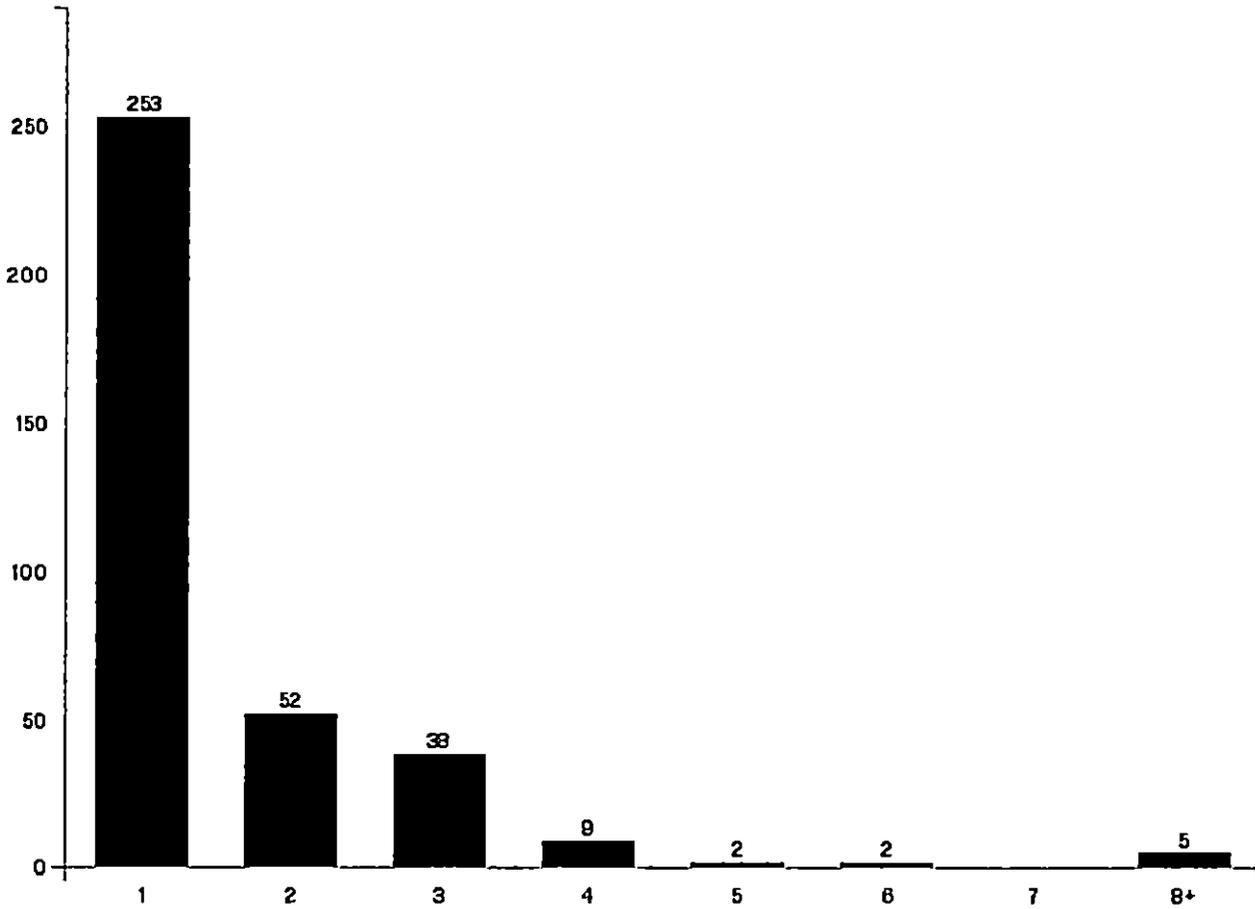
Q11 - If you have not yet passed, which exams have you taken?



Answer	Count
PES (before 12/31/2013)	0
NEHA (after 1/1/2014)	7
Both	0
Total	7

Q12 - How many times did you take the RS exam before passing?

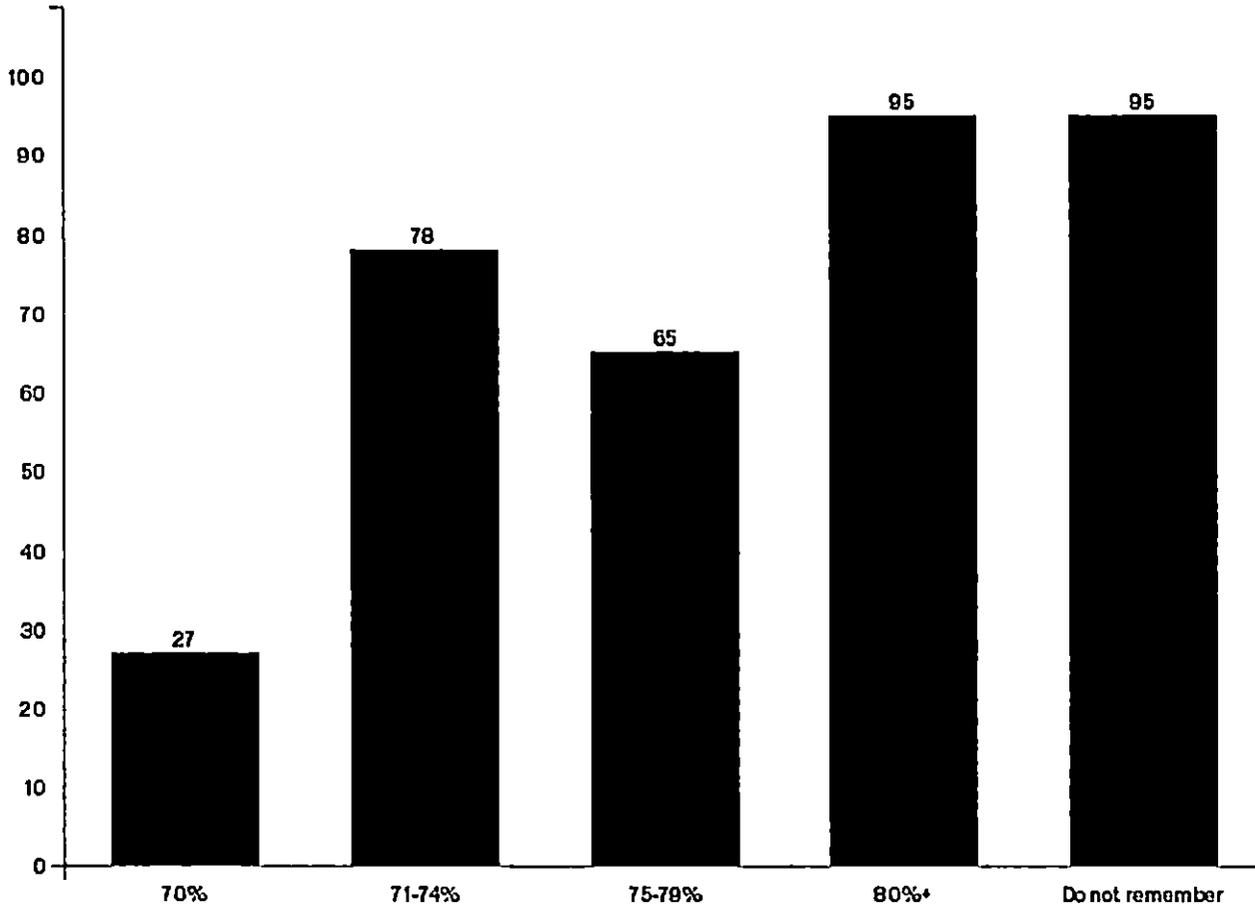
Q12 - How many times did you take the RS exam before passing?



Answer	Count
1	253
2	52
3	38
4	9
5	2
6	2
7	0
8+	5
Total	361

Q20 - What was your passing percentage?

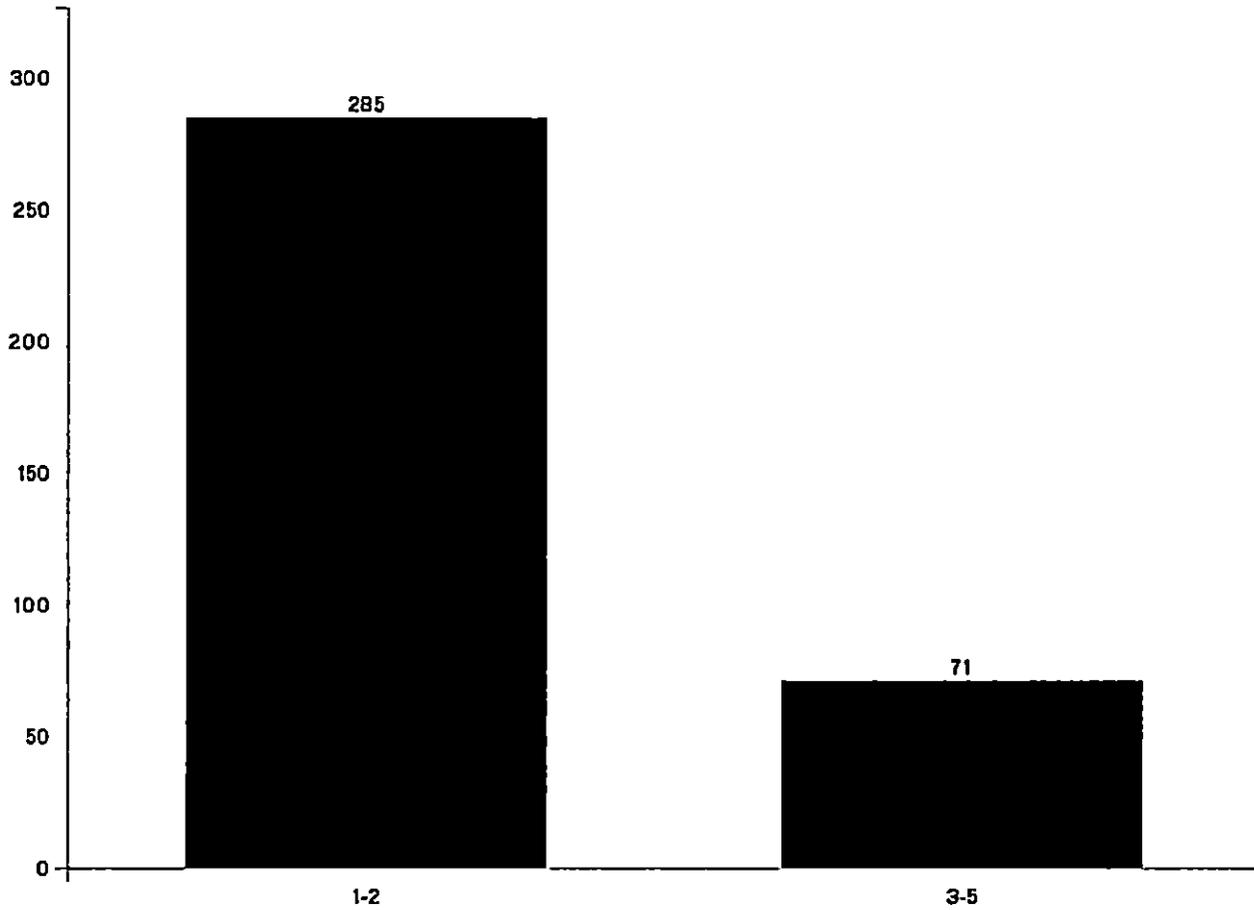
Q20 - What was your passing percentage?



Answer	Count
70%	27
71-74%	78
75-79%	65
80%+	95
Do not remember	95
Total	360

Q34 - How many years did you work in the field before passing the exam?

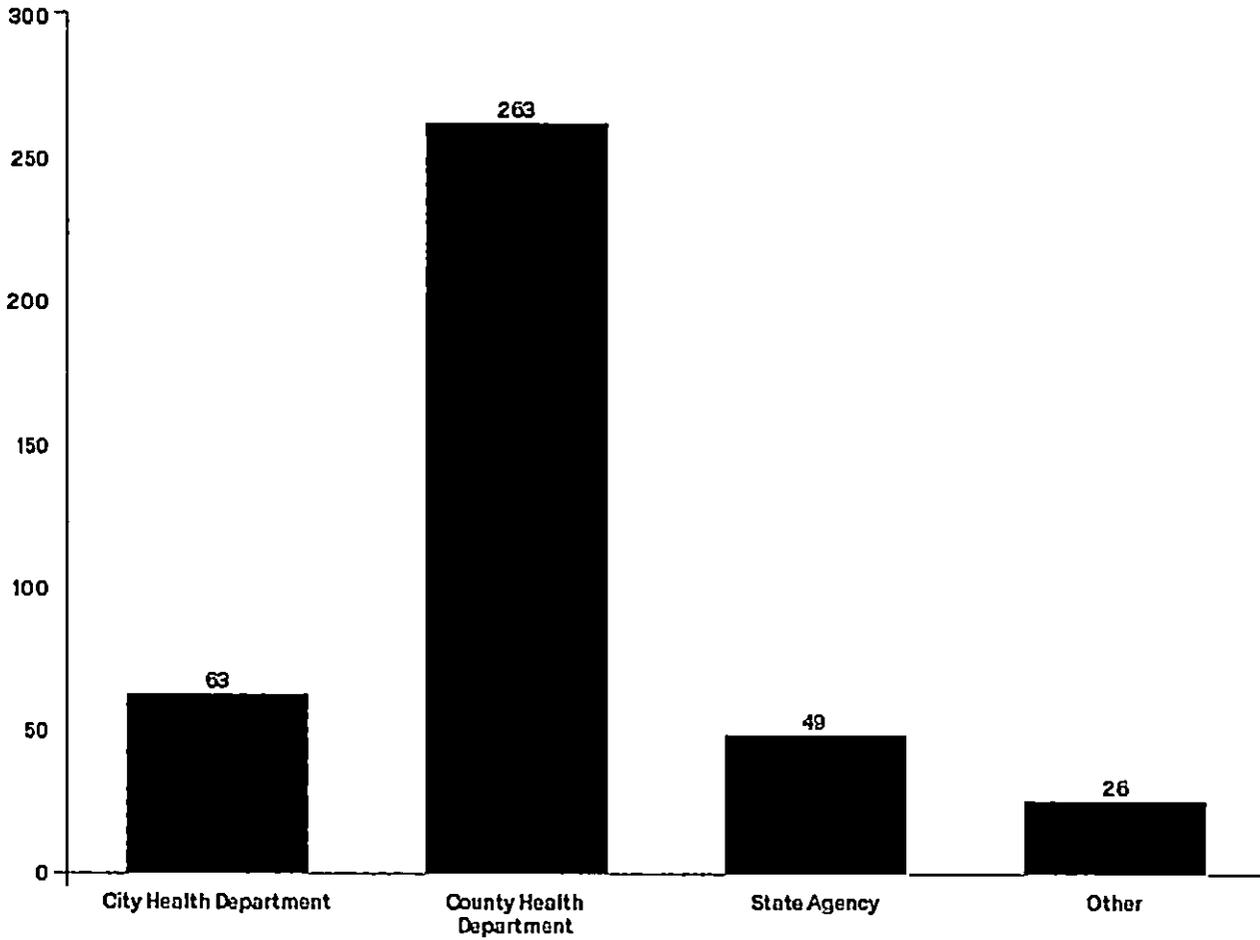
Q34 - How many years did you work in the field before passing the exam?



Answer	Count
1-2	285
3-5	71
Total	356

Q37 - Where did/do you work as a Sanitarian-in-Training?

Q37 - Where did/do you work as a Sanitarian-in-Training?

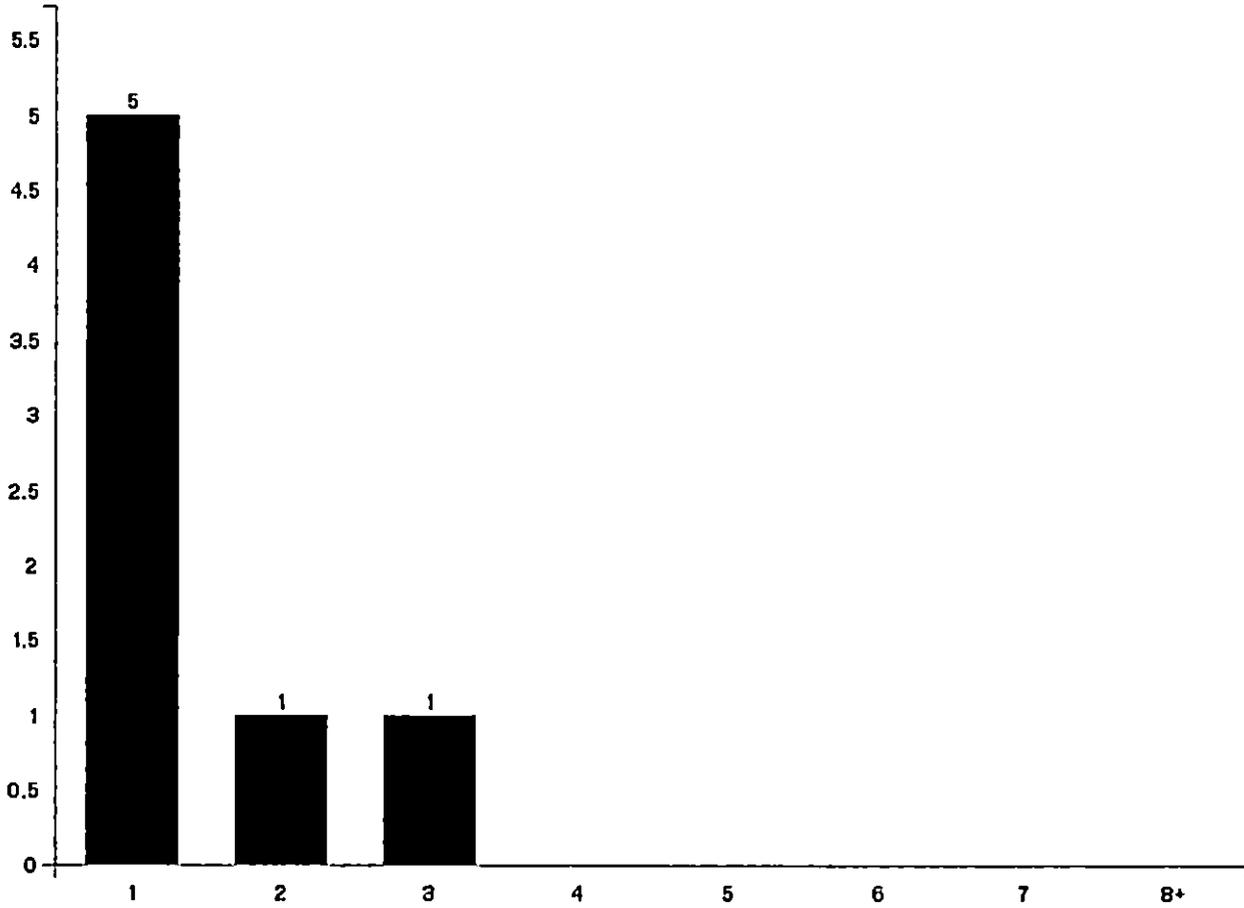


Answer	Count
City Health Department	63
County Health Department	263
State Agency	49
Other	26
Total	401

Q13 - How many times have you taken the RS Exam?



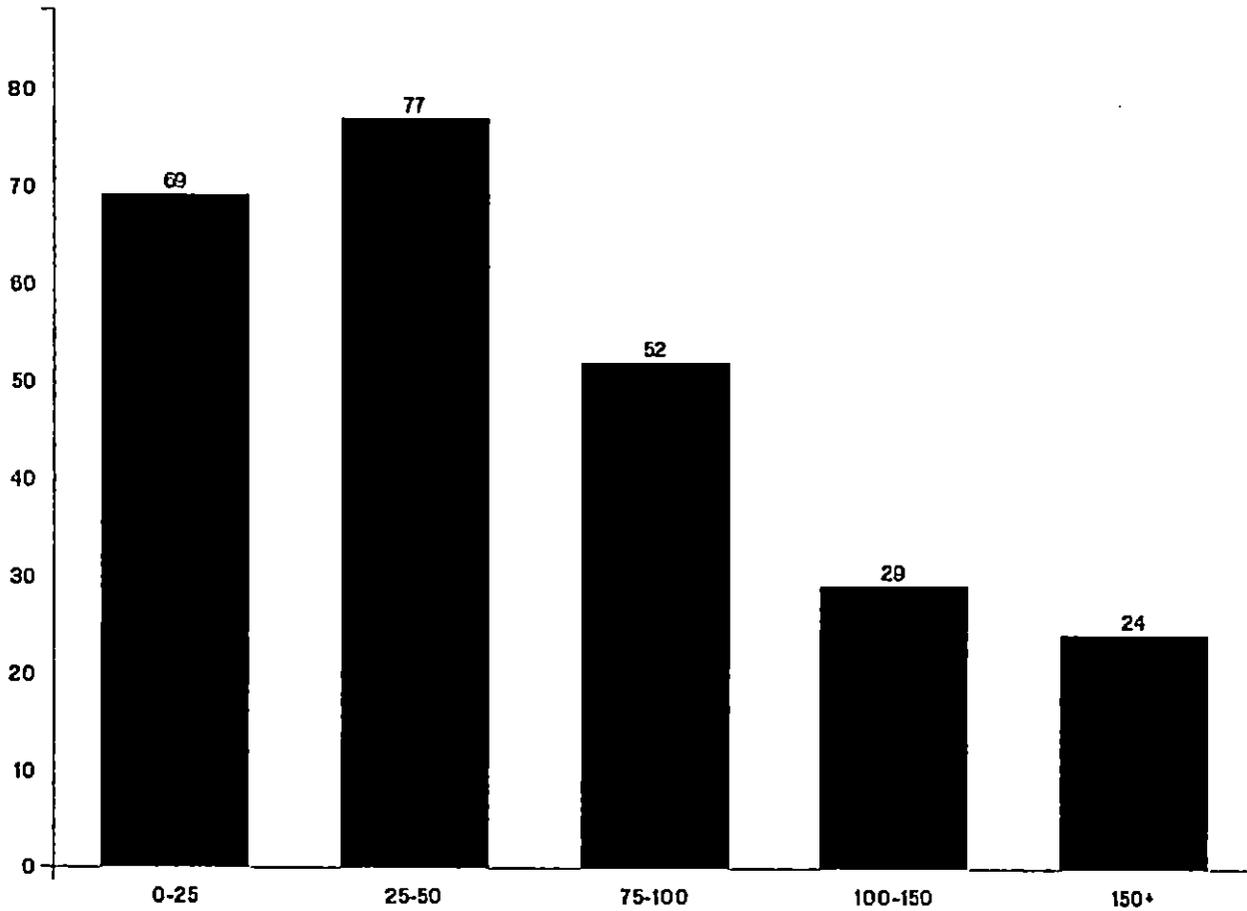
Q13 - If not yet passed, how many times have you taken the RS Exam?



Answer	Count
1	5
2	1
3	1
4	0
5	0
6	0
7	0
8+	0
Total	7

Q39 - How many hours in total do you think you studied for the RS exam (including any formal study courses):

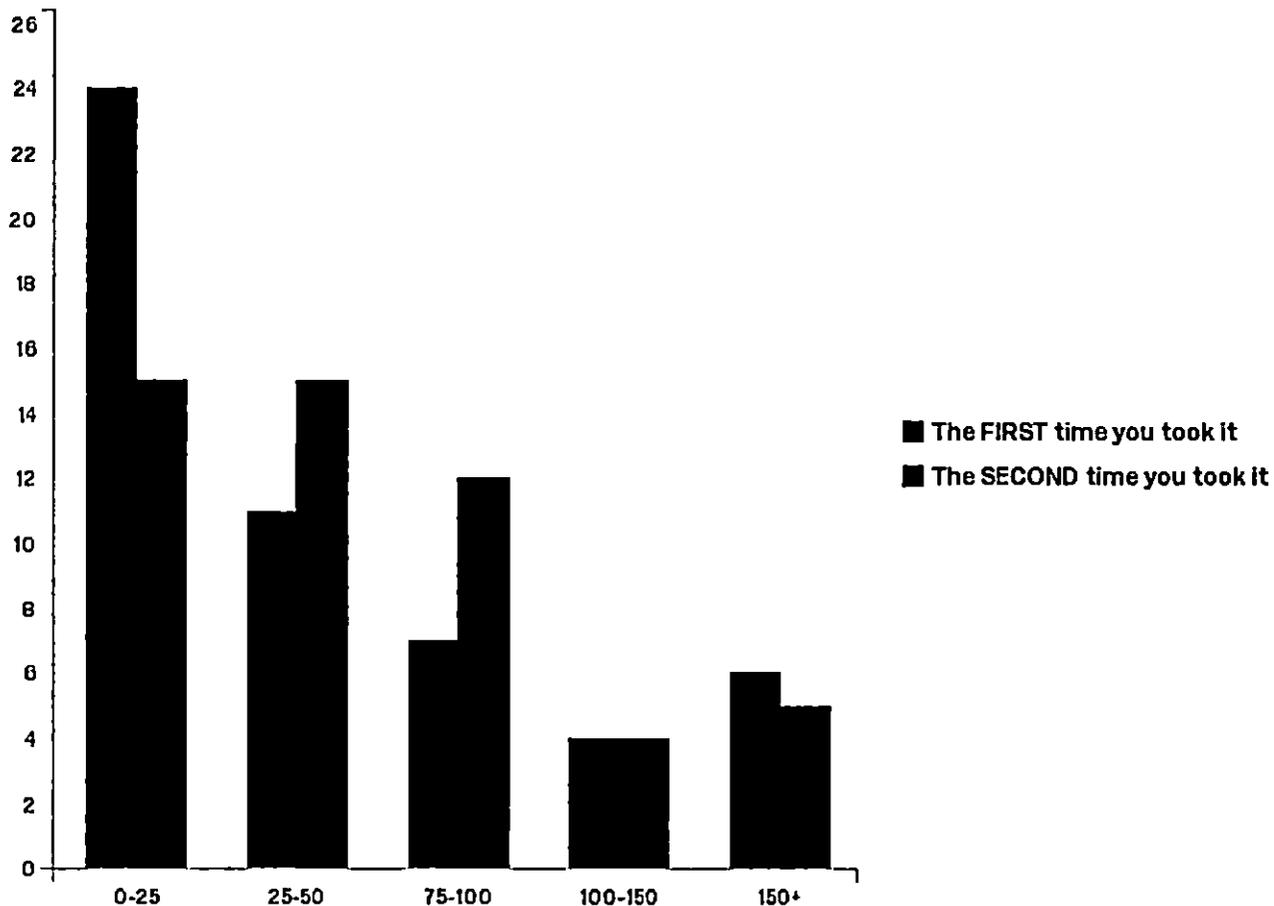
Q39_1 - The FIRST time you took it



Answer	Count
0-25	69
25-50	77
75-100	52
100-150	29
150+	24
Total	251

Q38 - How many hours in total do you think you studied for the RS exam (including any formal study courses):

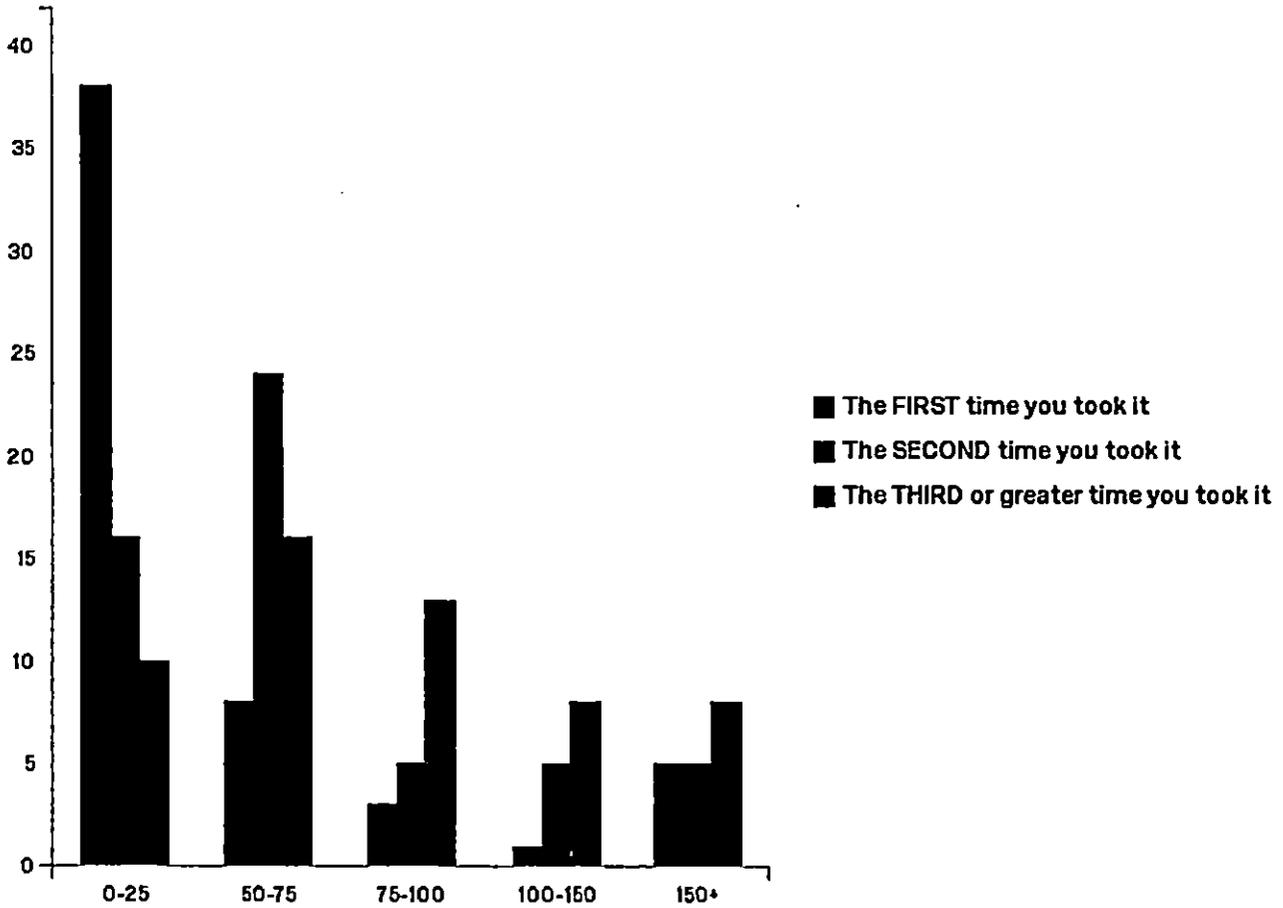
Q38 - How many hours in total do you think you studied for the RS exam (including...



Question	0-25	25-50	75-100	100-150	150+	Total
The FIRST time you took it	24	11	7	4	6	52
The SECOND time you took it	15	15	12	4	5	51

Q16 - How many hours in total do you think you studied for the RS exam (including any formal study courses):

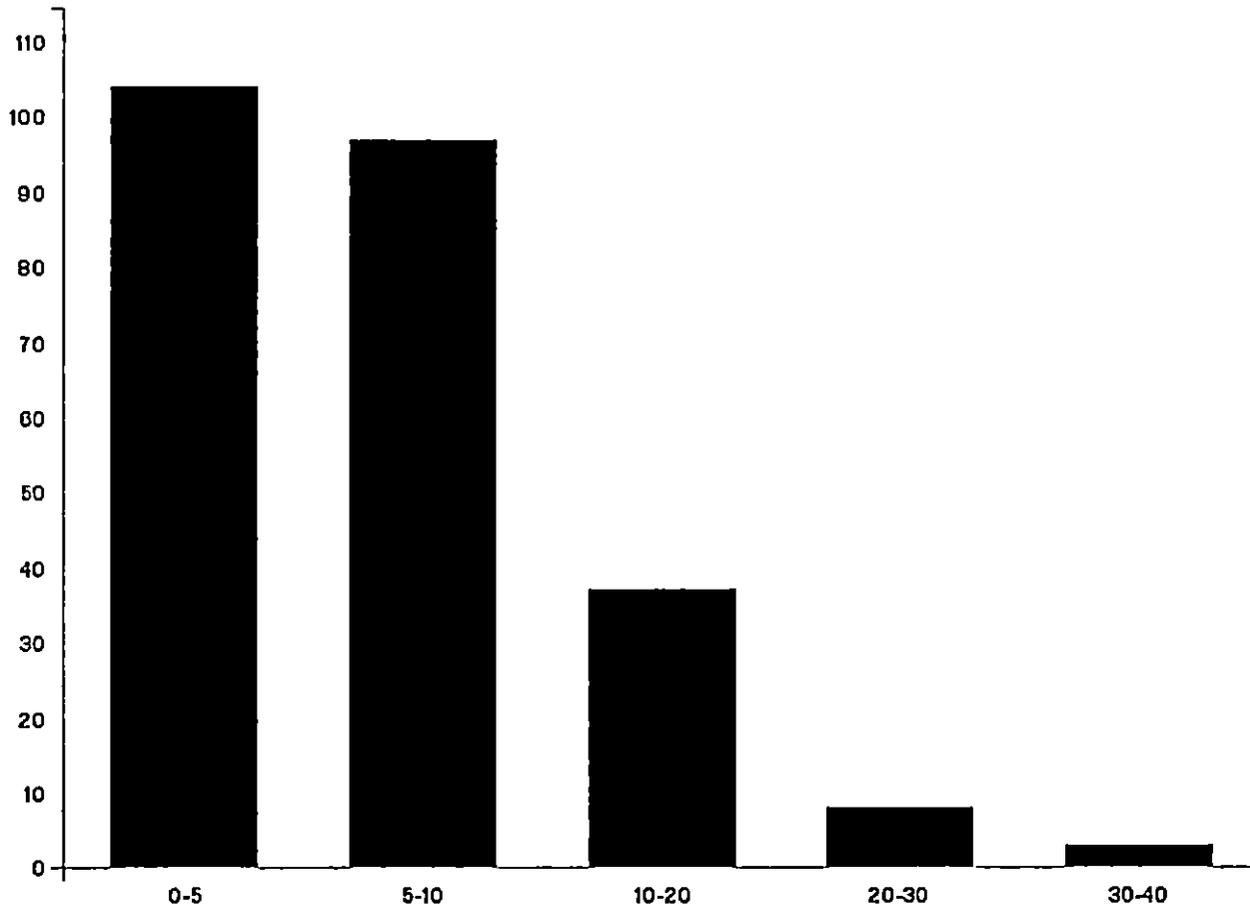
Q16 - How many hours in total do you think you studied for the RS exam (including...



Question	0-25	50-75	75-100	100-150	150+	Total
The FIRST time you took it	38	8	3	1	5	55
The SECOND time you took it	16	24	5	5	5	55
The THIRD or greater time you took it	10	16	13	8	8	55

Q41 - How many hours per week do you think you studied on average for the RS exam (including any formal study courses):

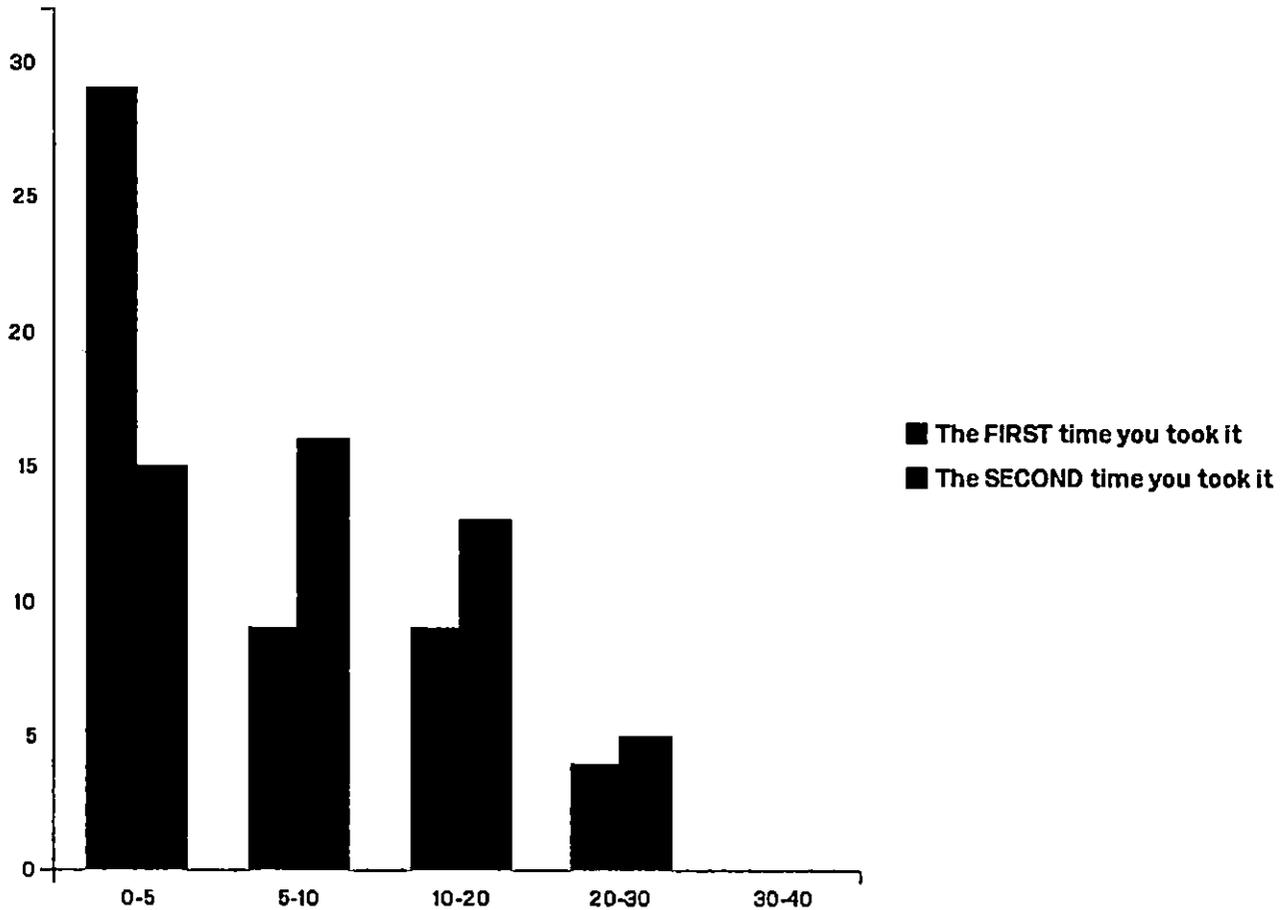
Q41_1 - The FIRST time you took it



Answer	Count
0-5	104
5-10	97
10-20	37
20-30	8
30-40	3
Total	249

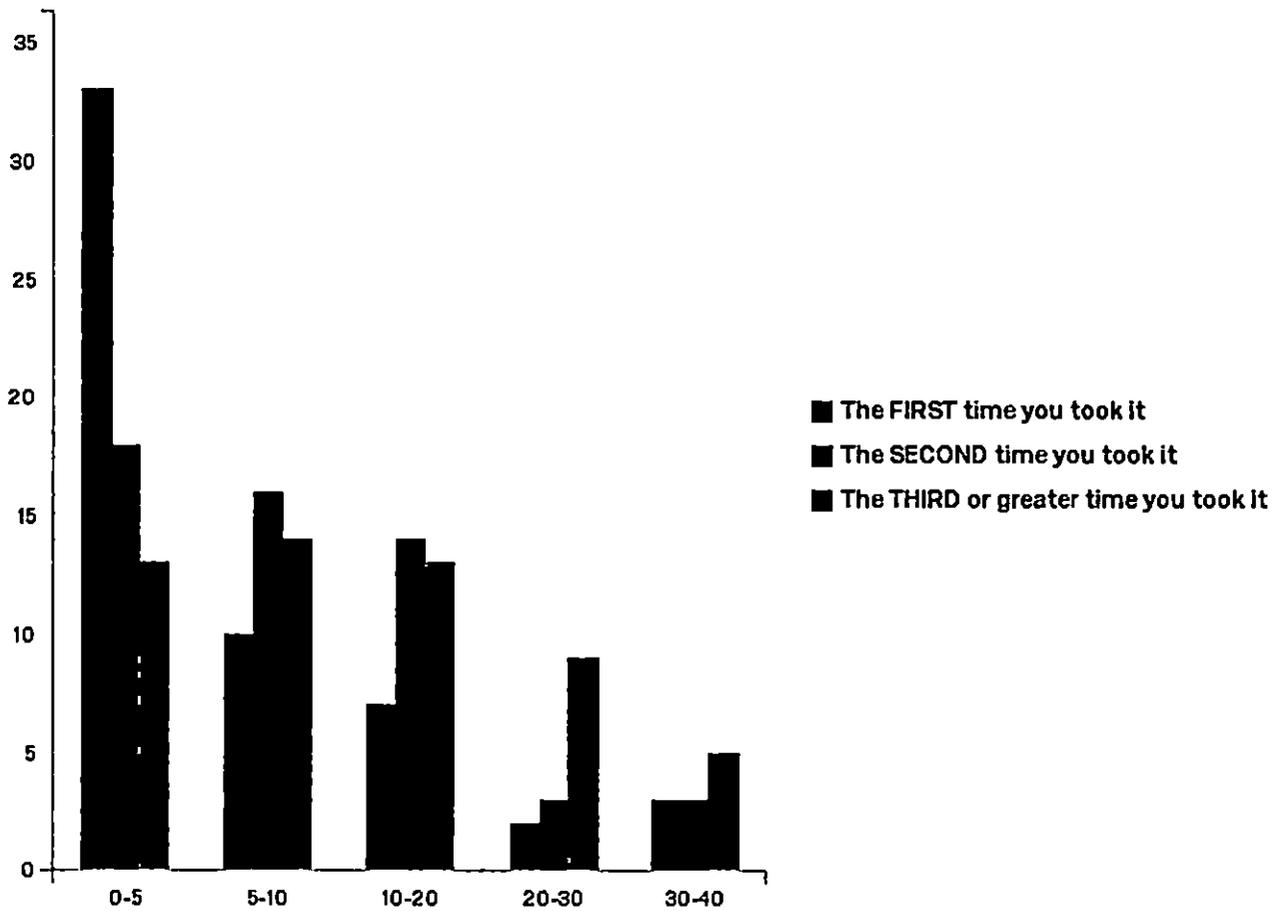
Q40 - How many hours per week do you think you studied on average for the RS exam (including any formal study courses):

Q40 - How many hours per week do you think you studied on average for the RS exam...



Question	0-5	5-10	10-20	20-30	30-40	Total
The FIRST time you took it	29	9	9	4	0	51
The SECOND time you took it	15	16	13	5	0	49

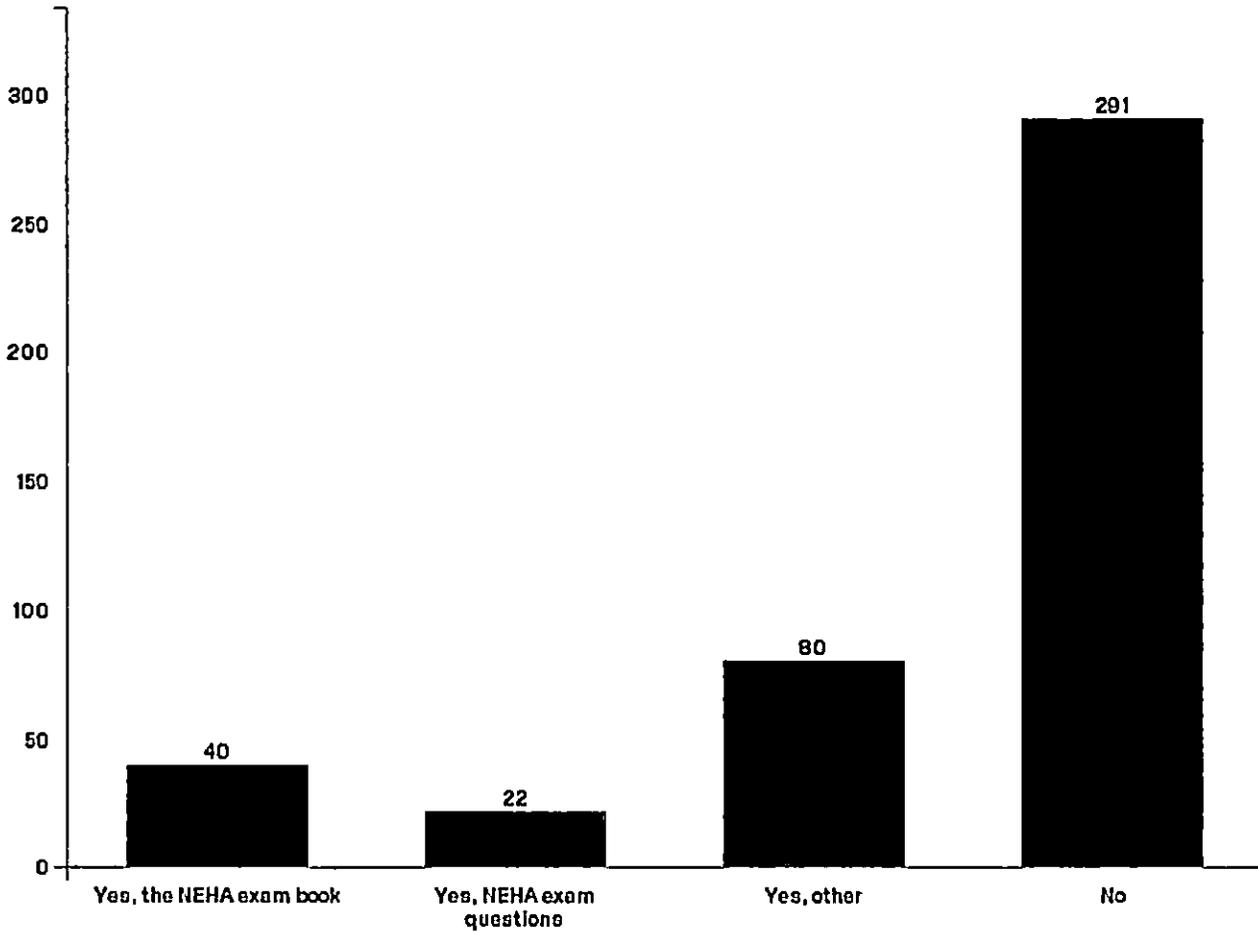
Q17 - How many hours per week do you think you studied on average for the RS exam (including any formal study courses):



Question	0-5	5-10	10-20	20-30	30-40	Total
The FIRST time you took it	33	10	7	2	3	55
The SECOND time you took it	18	16	14	3	3	54
The THIRD or greater time you took it	13	14	13	9	5	54

Q18 - Did you purchase any study materials for the RS exam? Select all that apply:

Q18 - Did you purchase any study materials for the RS exam? Select all that apply...



Answer	Count
Yes, the NEHA exam book	40
Yes, NEHA exam questions	22
Yes, other	80
No	291

Q19 - If "Yes, other", what exam materials did you purchase and from where?

Q19 - If "Yes, other", what exam materials did you purchase and from where?

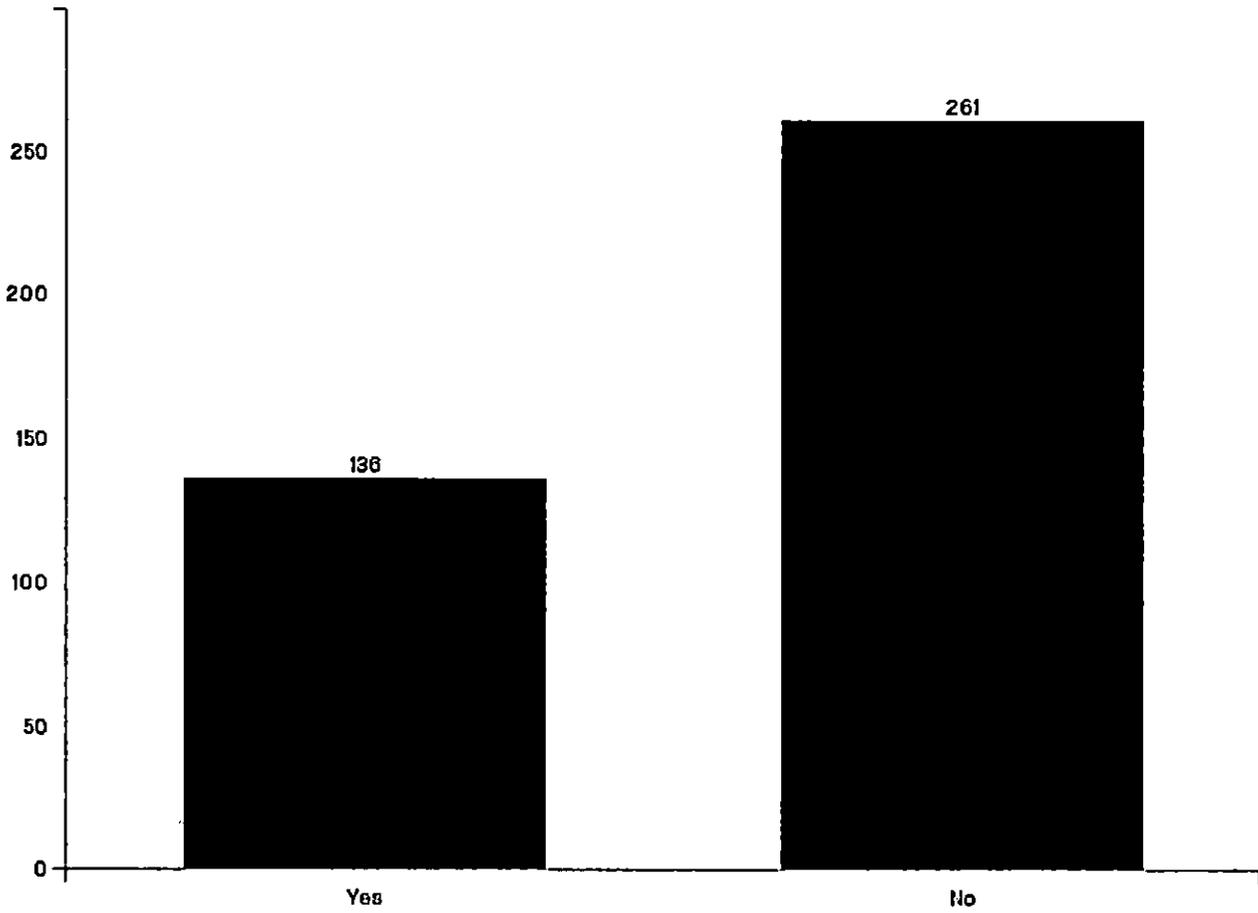
If "Yes, other", what exam materials did you purchase and from where?

The blue study guide	material provided by my work
Purchased Exam Course Material	Salvatto
Salvato	salvato
Salvato	National RS booklet for test
silvato	Savalto's Environmental Engineering and Sanitation; Also "The Sanitarian's Handbook"
Salvatore, NEHA Couses	salvato, workbooks
Envm engineering and sanitation by Salvato	NEHA exam book is a joke.
Can't remember	KSU Online program
Exam question book	REHS Examination Review Course Workbook 32nd Edition Walter Saraniecki
study guide	Salvato book
Salvado	Environmental Engineering and Sanitation, Salvato
don't recall	J. Salvato text books
Book written by Joseph Salvato	R.S exam preparation course
CDC Home Study Course	general environmental book
Envionmental Health book	OEHA course book
Salvato-	Environmrntal Engineering by Salvato
Handbook of Environmental Health and Safety - Koren	Arco and other review books
study guides from Cleveland Department of Public Health	OEHA SIT Course
REHS Examination Review Coures Workbook by Walter	Env. Engineering and Sanitation, Salvato Text and CDC
Saraniecki	Self-study course
Our global Env. on line	The county that I had worked for had purchased an RS
Safe Serve	exam study guide
Library	Materials were obtained from a course
Suggested Books	Salvato book, health dept.
various study guides	text books
Salvato's Environmental engineering and Sanitaiton,	Our Global Environment
Freedman's Sanitarian's Handbook	Handbook of Environmental Health Volume 1&2 by
Not Sure	Koren & Bisesi from NEHA
Kent State Prep Course	Old Tests
Salvato	RS test study book
Federal Government Study Guide for Environmental	Text boks on environemntal health
Health	Environmental Engineering book, recommended for the
NEHA book list	PES exam
OEHA	Cliff Notes
salvato, joseph	Subject book
	savato
	Salvato and printed exams

Q21 - Did you take any formal study or prep courses before taking the test?



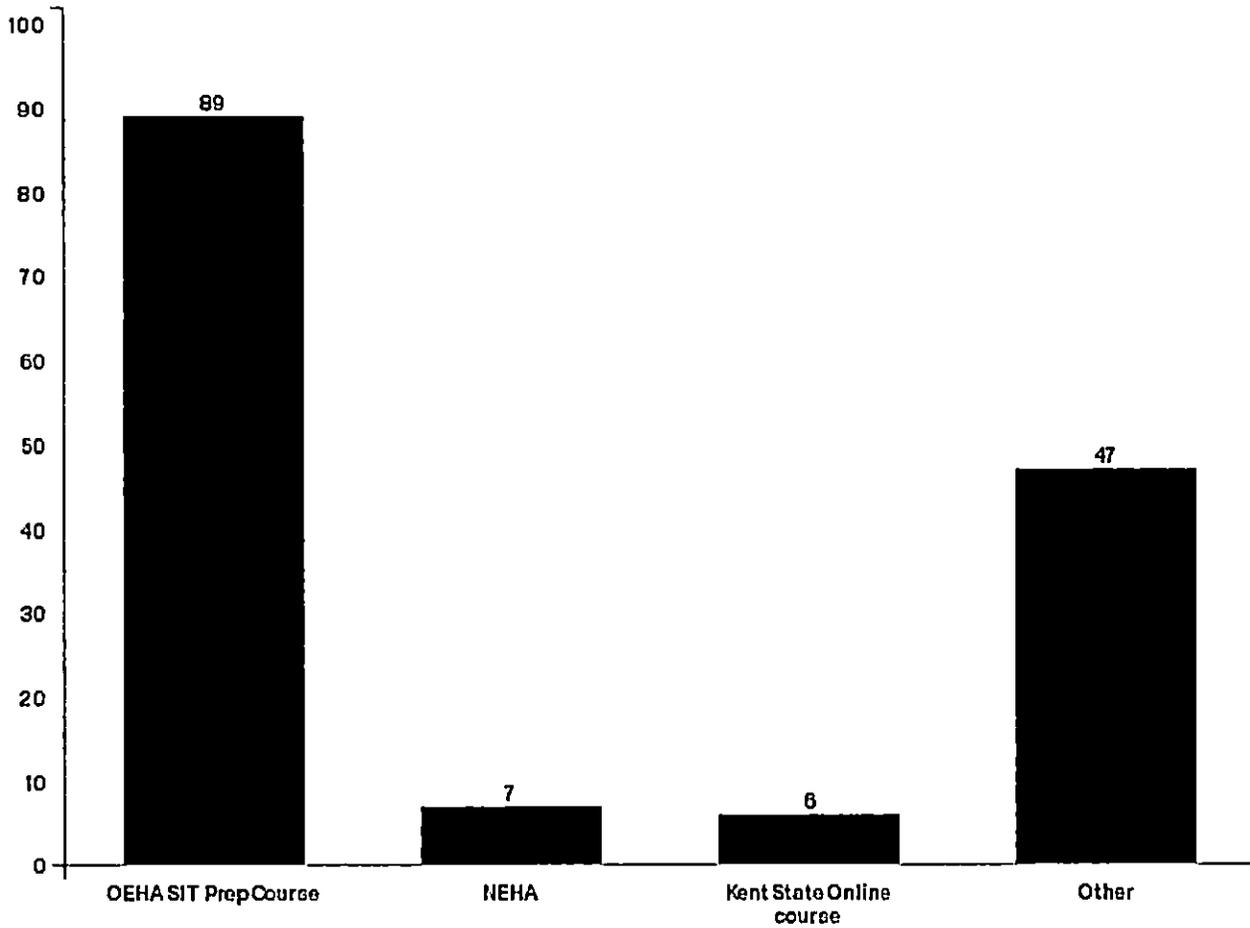
Q21 - Did you take any formal study or prep courses before taking the test?



Answer	Count
Yes	136
No	261
Total	397

Q22 - If "Yes", which of the following?

Q22 - If "Yes", which of the following?



Answer	Count
OEHA SIT Prep Course	89
NEHA	7
Kent State Online course	6
Other	47

Other

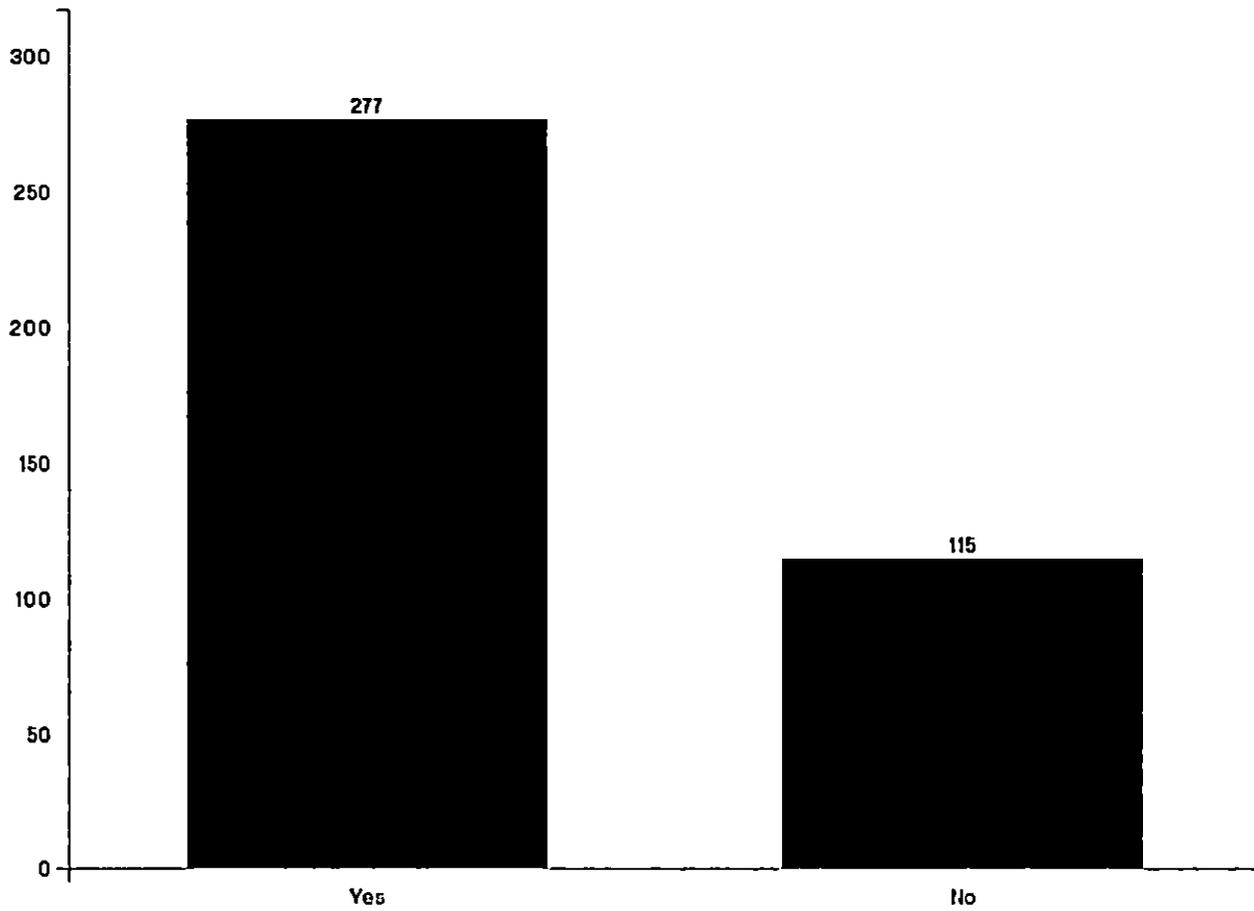
Principles from ODH
Principles class
Through NEOUCOM
principals course
Principles
sanitarian prep course
ODH Principals Class
Principles
ODH Principles Course
Northeast CORS
ODH prep course (1993)
NEOUCOM course onsite
Tilte Unknown
cdc
ODH
ODH principles Class
CDC Self-Study Course 3010-G
ODH offered a prep class
principals course from ODH
Principles
+CDC Course by mail

Principles of Env Hlth - ODH
RS Principles classes
ODH Principles
OEHA
principles given by ODH
CDC
ODH Prep Course
A PREP COURSE GIVE BY THE STATE OF OHIO
REHS Examination Review Course Walter Saraniecki
NEOUCOM Med. School
CDC COURSE
I don't remember who offered the course.
CDC Self- Study Course
Principles
ODH Principals
NEOUCOM - test preparation and review course
ODH Prep Course
Principles
The class in Columbus
servesafe



Q44 - Did you use any study materials collected and provided by your employer?

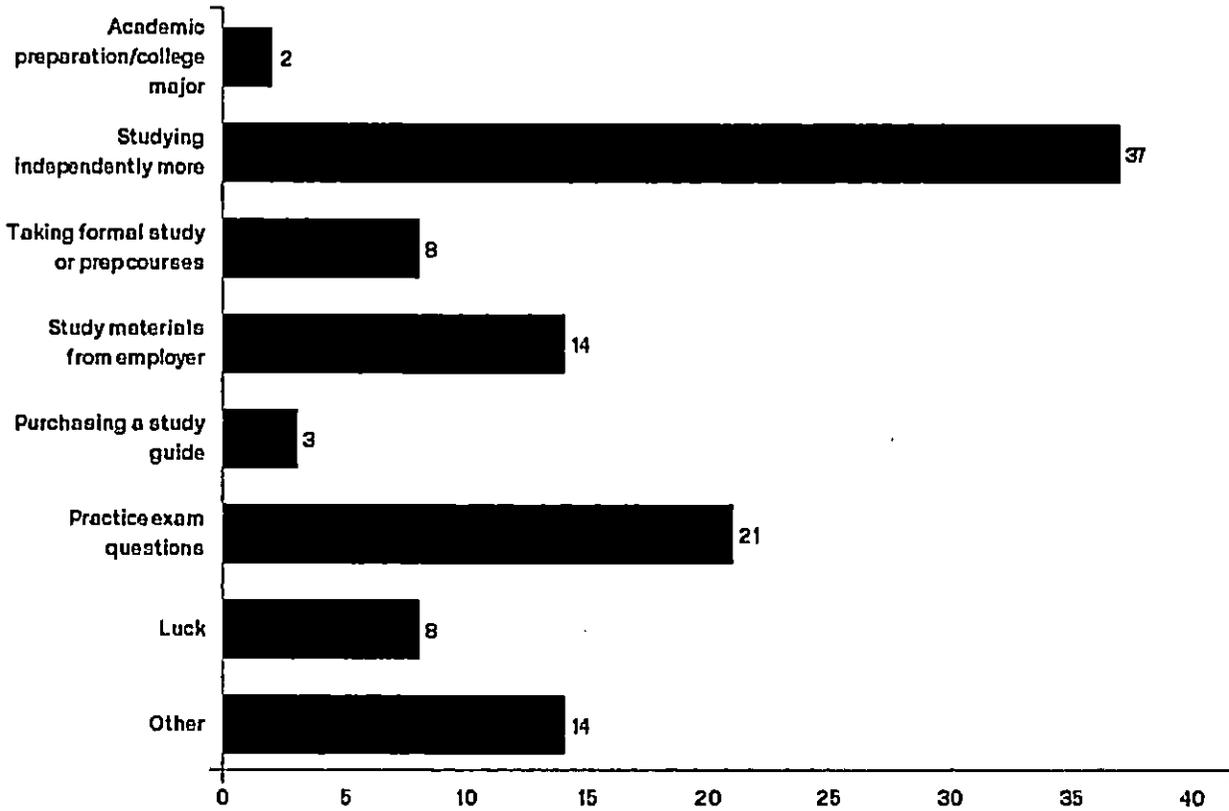
Q44 - Did you use any study materials collected and provided by your employer?



Answer	Count
Yes	277
No	115
Total	392

Q24 - If you took the RS exam multiple times before passing, what do you think most helped you pass?

If you took the RS exam multiple times, what do you think most helped you pass?



Answer	Count
Academic preparation/college major	2
Studying independently more	37
Taking formal study or prep courses	8
Study materials from employer	14
Purchasing a study guide	3
Practice exam questions	21
Luck	8
Other	14
Total	107

Q24_6_TEXT - Other

Other

Jesus

on the job experiences

i had material FROM ANOTHER HEALTH DEPT.

Actual Field Experience

Joseph A. Salvato,

OEHA SIT Course and ODH Principals class

Our global ENV. Book

work experience

employer willing to allow study time

Work Experience

Consistency

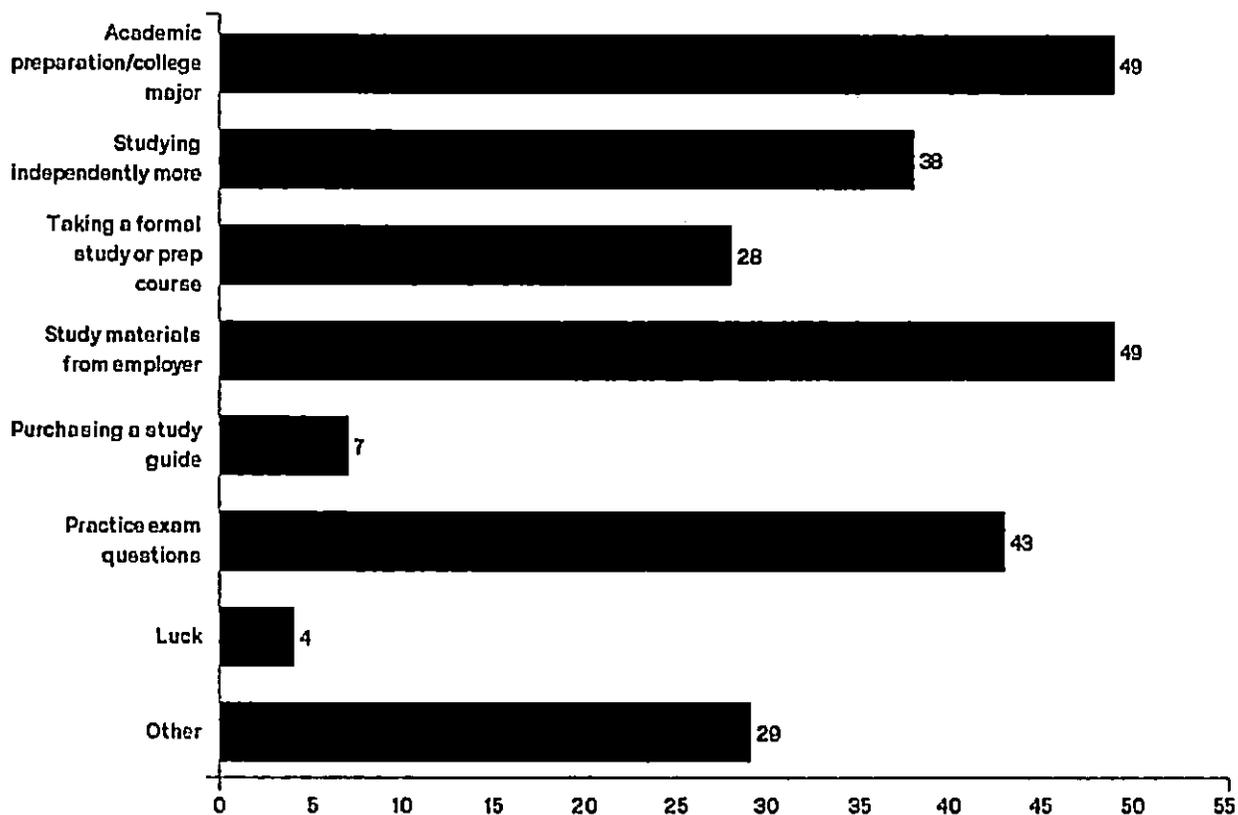
field work

I took it the first time with nothing, no book, no studying, second time the book was made available to me

Luck and Prayer

Q30 - If you took the RS exam only once before passing, what do you think most helped you pass?

If you took the RS exam only, what do you think most helped you pass?



Answer	Count
Academic preparation/college major	49
Studying independently more	38
Taking a formal study or prep course	28
Study materials from employer	49
Purchasing a study guide	7
Practice exam questions	43
Luck	4
Other	29
Total	247

Q30_6_TEXT - Other

Other

Being Grandfathered in through a one time law that was passed

Co-worker prompting

prior work experience

Experience & College Major

life experiences

hands on training and the sanitarian book

work experience

supervisors help and studying with co-worker

I am fortunate that I have always been an excellent test taker.

IQ

Previous applicable work experience

Independent study and support with studying from co-workers and technical courses taken at 2 year college to be environmental tech

Experience at work & my own knowledge

I believe it was a combination of a couple of classes I took in college along with my internship, and ODH's Principals of Environmental Health, and studying with a couple of other sanitarians.

I studied quite a bit, but I think passing the first time was luck. The version of the test I took happened to have a lot of water sampling questions, and since I had done this in college, I had some practical knowledge. Some of the answers on the test were

very outdated, but with help from my co-workers, I was able to study "for the test".

Field experience

combination of studying Salvato and my associate degree in EH from Hocking Tech

A combination of employer-provided study materials, a mandatory state training program that was provided at county health departments that were at that time designated as regional training centers, formal on-the-job training that was structured and provided continual feedback and mentorship by county and state environmental health specialists

Prior work experience

Study guide from those who took test before

Varied work in the field.

Working 40 hours a week in Environmental Health and studying as much as I could everyday for 90 days prior to the exam.

Group Studies with SITs from other HDs

Study material obtained through Ohio Link in conjunction with practice exams and study guides posted by other agencies online

Worked on the 80 percent that was not my specialty

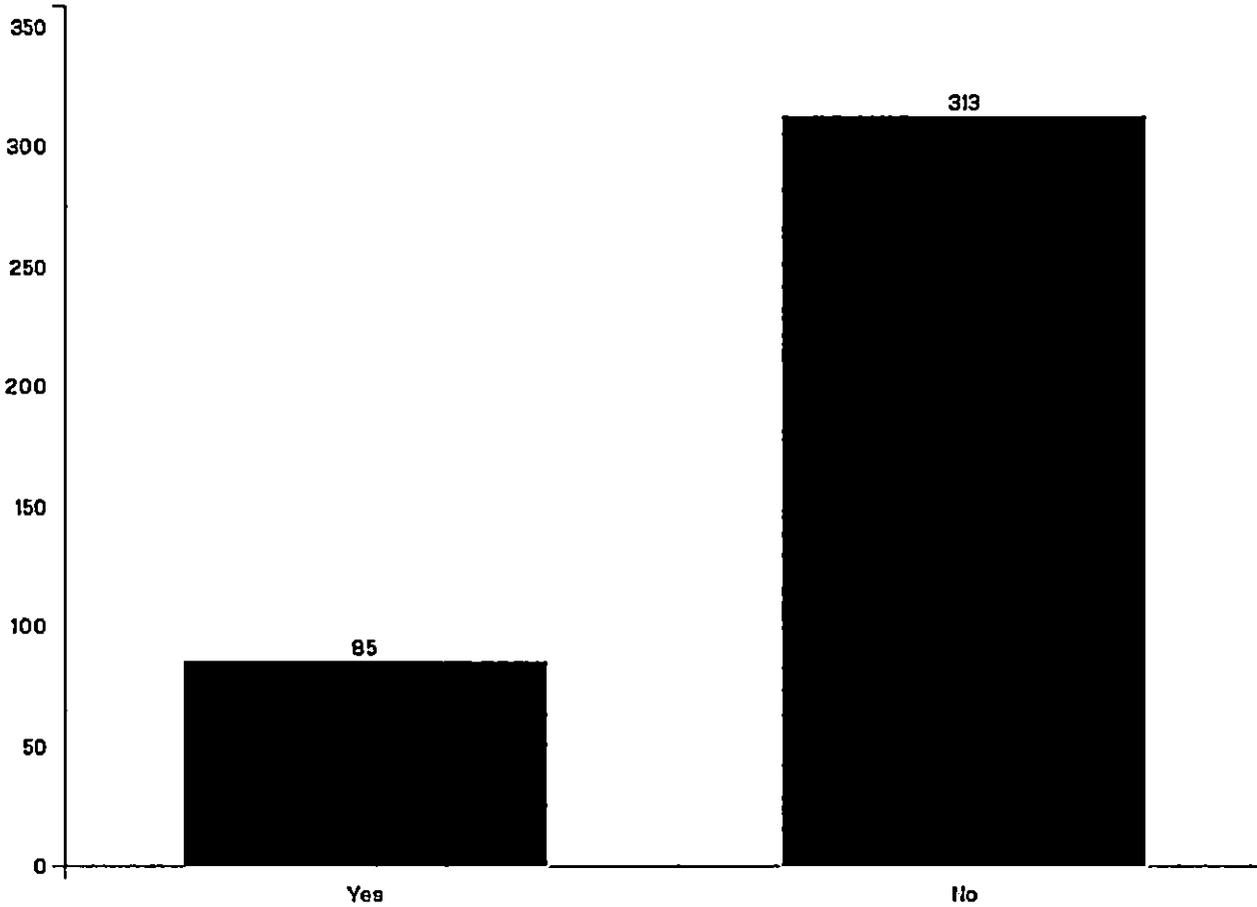
learning disease symptoms, onset, common sources

College and prep course

work experience

Q35 - Did you plan to be a Registered Sanitarian prior to getting a job that required an RS credential?

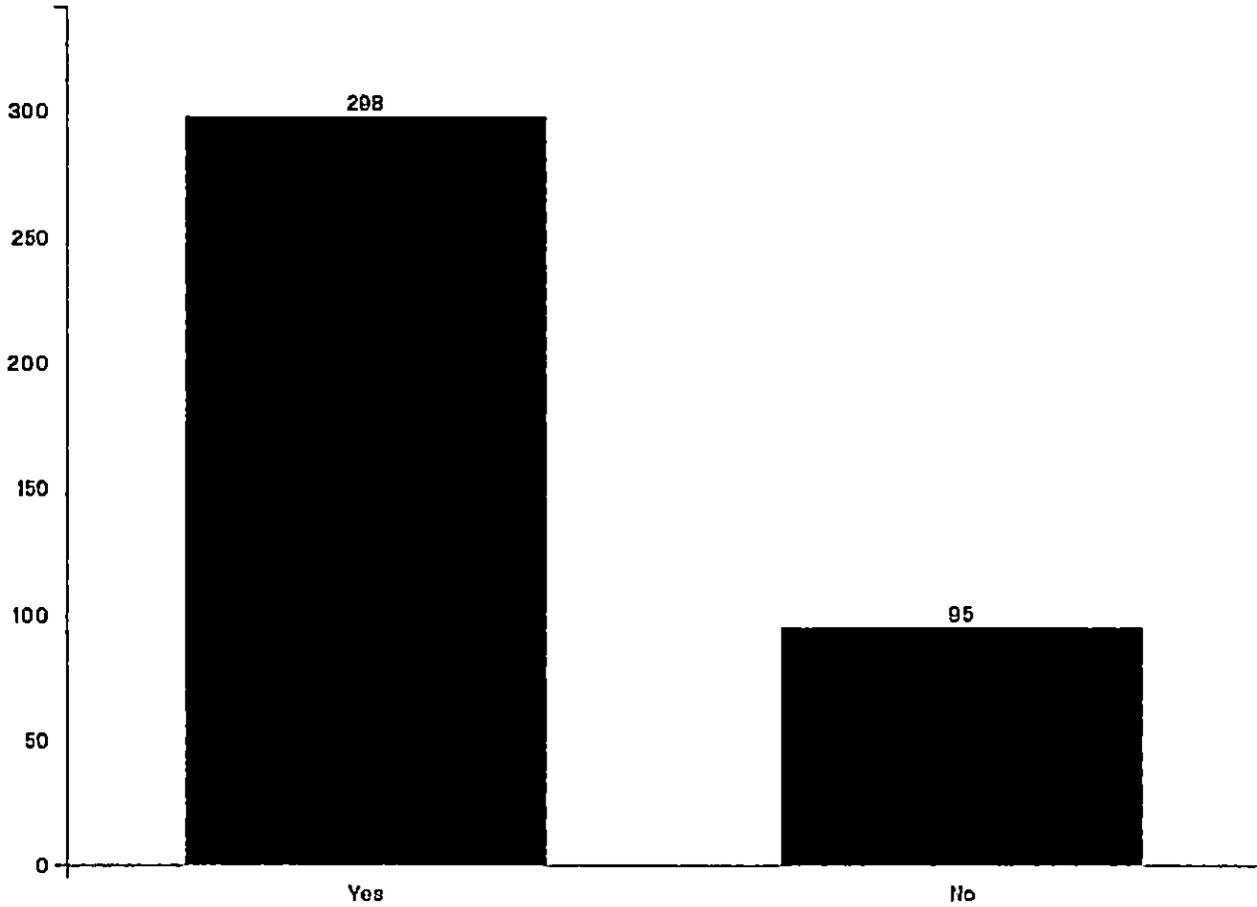
Q35 - Did you plan to be a Registered Sanitarian prior to getting a job that required an RS?



Answer	Count
Yes	85
No	313
Total	398

Q36 - While working prior to passing, did/do you have good mentorship from colleagues or the employer?

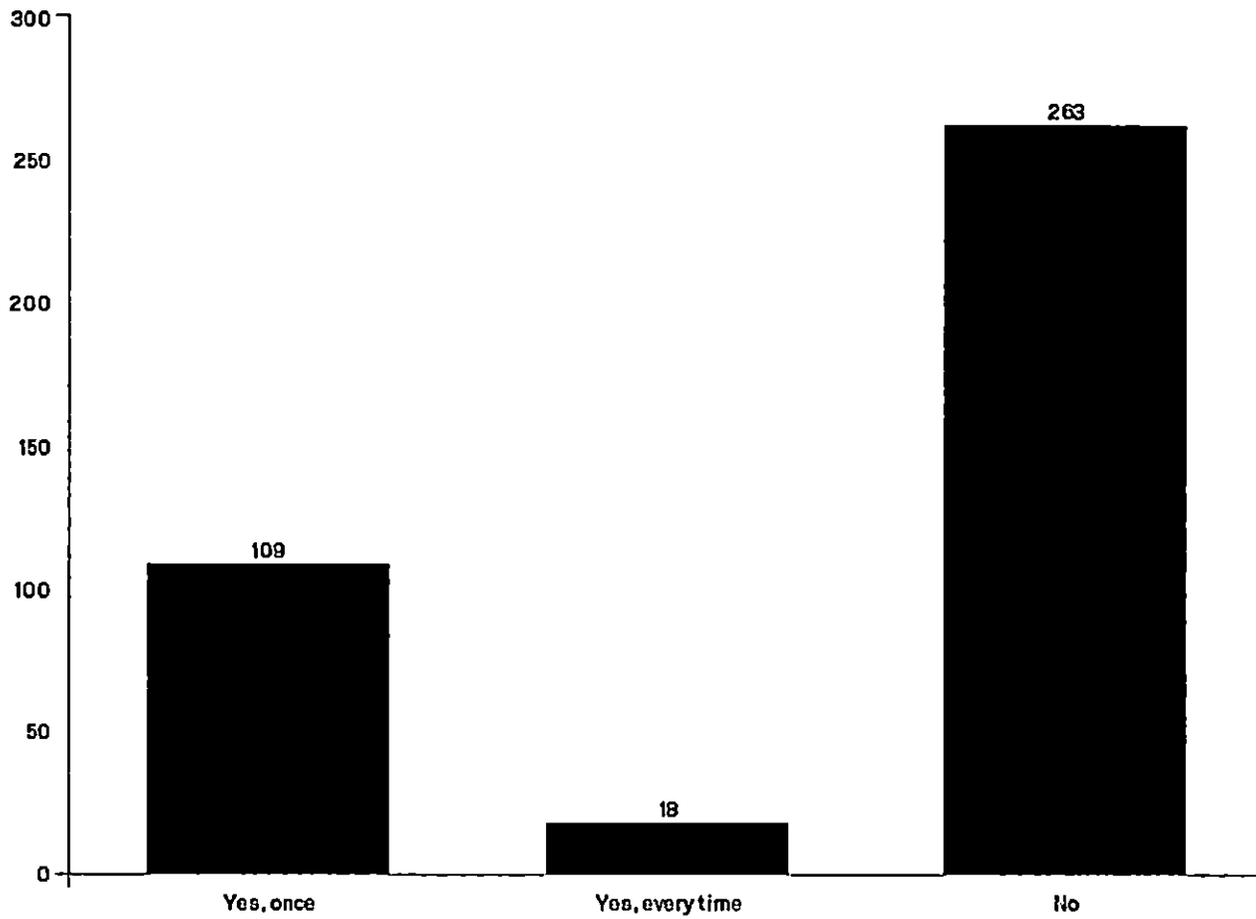
Q36 - While working, did/do you have good mentorship from colleagues/the employer?



Answer	Count
Yes	298
No	95
Total	393

Q45 - Does/did your employer pay for you to take the RS exam?

Q45 - Does/did your employer pay for you to take the RS exam?



Answer	Count
Yes, once	109
Yes, every time	18
No	263
Total	390

Q46 - What do you think are the biggest reasons for not passing the RS exam?

Q46 - What do you think are the biggest reasons for not passing the RS exam?

the broadness of the test material and lack of experience some fields

not knowing enough

Poor preparation - not putting in enough time.

stress, too broad of topics

Program Knowledge

questions were ambiguous

Vast amount of material required to memorize

n/a

Trick questions

Not enough Environmental Health experience

not studying enough

Too broad spectrum of questions

I passed on first attempt.

Subject matter outside of normal job duties

Lack of study questions reflecting pertinent topics and a lack of time spent studying leading up to the course in areas that are not normally worked in by SITs.

The subject area is so large and the questions can be so specific.

Broad variety of questions.

Different/Updated Material

Poor preparation

Preparation time, vagueness of what to study, a lot of what is on the exam is not real world RS work

Material covered on exam too broad; not information used on a daily basis by sanitarians; not based on Ohio codes

back then, no focused study materials existed

Lack of preparation

Misinformed as to what to study

Wording of questions was difficult to understand

fear and stress

Amount of material to study

People not really interested in sanitation field

I was told that by attending odh envm basic training that would be enough to pass the test, not so not understanding the material

I am starting to study now. There is a lot of material to cover. There are not any specific study guide - just a list of books to study from (and there are a lot).

Very specific questions rather than questions regarding concepts

N/A

stress and lack of support from employer

Inadequate preparation

Not prepared for the format

Lazy

Lack of relevance to actual job duties.

some areas of the test are not performed by many local health departments. I learn better out in the field than from a book

I believe the exam focuses too much on trying to have specific in-depth knowledge of too many subjects in fields rather than having a broad knowledge of EH.

Not prepared, 1st NEH test

Material on exam did not relate to actual position duties.

Wide array of material covered

The test was not divided into sections, test takers do not know which questions they answer incorrectly immediately after taking the exam so they find it difficult to challenge answers.

Folks fail to prepare adequately

Questions not correlating to major.

I TEST BADLY

covers many areas

My supervisors were grandfathered in. I was/am the only black female to take the exam at the city of Akron health department. I was working in housing.

Question Structure on Exam

Lack of study materials. Funding to attend prep classes.

Lack of knowledge

tested on material not pertinent to my job

n/a

The exam covers many broad study areas. Most people taking it have a narrowly focused degree and work experiences that are fairly narrowly focused as well. Having a broad range of professional and educational experiences that look at how the aspects of environmental health interconnect as a whole.

The first time didn't study much and didn't have any hands on experience

inadequate preparation and/or coursework

Studying with others

questions not relevant to daily job duties

ONLY MISSED BY 2 QUESTIONS

NA

failure of depts to properly train SITs

test covers so many areas

Study guides did not match info on the exam. My degree did not emphasize environmental health so had to learn independently.

Broad scope of the exam

Not enough time to study, work obligations

Questions that do not pertain to our jobs as RS.

preparedness

Study Materials

Not enough thorough study time and not studying "Environmental Engineering" book by Salvato

Outdated test

Standardized learning materials

inadequate preparation

n/a

scope of knowledge needed

should have studied harder. I missed passing by 3 questions. It was told that few pass the 1st time & I was told take the test to at least get a feel. I should have studied harder

N/A (I passed the 1st time)

N/A - not yet taken

microbiolgy

I was grandfathered abd did not take the exam

Still young not focused

Lack of good mentors and helpful resources

Broken down into 5 domains and the results of feedback is vague.

wasn't prepared

The Exam Subject Matter is Large

trick questions

There is a lot of knowledge needed about topics which I don't work in or did not learn in college.

The exam is not a true reflection of what registered sanitarians do. many of the study materials were not helpful at all.

There was no official study material at the time. No one to collaborate with.

Not having an EH degree

Not enough practice information available

not studying

NA

No an accurate representation of knowledge

non relevant test questions and broadness of the exam (it covers programs our health department doesn't deal with).

None job related questions

some incredibly ridiculous questions

N/A

Irrelevant questions, too much material

Educational background

had no real idea what to expect questions wise from test

No adequate study guide

Not enough study coaching, classes, and materials are difficult to obtain for study.

lack of preparation, travel/location, not everyone lives close to Columbus

people not putting in the time to study

Lack of Studying, many sections of exam not relevant to degree i obtained.

Most of the test was not pertinent to the job.

lack of preparation

Finding the right things to study for the test. No study guide

Broad range of questions beyond scope of Ohio Health Department responsibilities.

Lack of study materials and preparation

Too Broad of information base

Amount of information

prep course

To difficult

At the time I took the test, there were no study materials other than Salvato

At the time there were no formal courses or practice materials available. I was also working as a specialist in housing and had no experience in any other programs.

Way too many study materials with a scope that is absurdly broad.

lack of solid, general foundational knowledge

Not enough experience and background

Did not work in the field

vrey broad

I just missed the cutoff for passing the first time, which I attribute to bad planning (I was fasting for a doctor's appointment the day I took the test) and slightly sub-par studying.

obscure questions; not enough guidance on study

material

Test is difficult. Prep courses sometimes miss some of the information needed to pass the exam. Price.

broad range of topics

Questions seemed to be opinion-based. No one was even allowed to know what questions were on the test.

feild i did not study in college

Lack Of Preparation

NA

Preparation time limited if employees/family

Not prepared

I didn't perform the functions that were included on the exam so I struggled with those questions

Lack of experience in each of the specialty.

At the time, there was few materials available to purchase

Failing to prepare

not enough study time

Not required to take one

Lack of college classes that cover the massive amount of knowledge in all of the fields/programs dealt with as a sanitarian.

technical questions

Lack of environmental health knowledge in all the various fields of the job by either not learning through job duties or not studying the topics at college level courses.

N/A

information we are tested on is somewhat irrelvent
na

Not working hands on in multiple fields that are tested on the exam.

Several sanitarians are trained in a specific field such as food safety, water quality, etc. and there isn't a lot of cross training since it takes years to become proficient in one area. The exam covers all of these domains and without more exposure it can prevent gathering the knowledge necessary to pass the exam.

NA

most of the questions did not pertain to my specific job at the time.

Poor study habits AND questions on the R.S. exam that are only relevant to Ohio EPA officials and they aren't even required to pass the R.S. exam.

not studying enough/not studying the right material

Study material that is too generalized. Too much material is presented that is not pertinent to the exam. It can be challenging to remember so much material and only utilize a relatively small percentage.

new employees without support from co-workers to assist in study, having outside training outside Health Dept responsibilities helps

no formal study material available and the exam covers too many different aspects of public health.

Broad scope of material covered

No reason, everyone should be able to pass with an undergraduate degree

unfamiliar with some subjects

not being prepared

Not being prepared

The exam doesn't cover what an RS in Ohio does, at all. It's a poor indicator at the capability of an individual to practice as a successful RS.

most sanitarians do one program it helps more when you work in all environmental health programs

lack of preparation

not studying enough

Preparation

not strong in the areas of housing, solid waste...those areas where I was not obtaining actual field or work experience provided the biggest challenge

The use of practice tests. The wording on the exam was tricky and the practice tests prepared me for that.

Had not been on the job long enough with a small city Health Dept.

Lack of classes and learning materials that pertain directly to the exam

The PES exam was not relevant to the practice of Environmental Health

Layout of exam. Not broken into topic areas. Some questions referred to State or Federal level knowledge requirements. Did not have practical

experience in some program areas.

wide range of topic/subject matter

currently, the variety of subject areas that require expertise.

has nothing to do with your job and what you are working in

The answers to the questions are not up to date or relevant.

lack of applicable education

Not being totally prepared, and not reviewing practice exams enough.

Many of the test questions do not and will not pertain to what I do in this part of the state and to use study guides like NEHA and OEHA that the majority of the information given is outdated or does not pertain to the test.

Not being prepared

stress

UNFAMILIAR WITH THE NON DAILY ACTIVITIES OF THE PROFESSION

Sewage and Emergency Sanitation

broad range of exam material

Material not relevant to the position

vast range of topics tested

Subjects not geared to what we are doing in the field

Lack of study

Not studying a good review book

very technical questions, not used in everyday, practical experience

Questions regarding fields that we may not have anything to with.

I took it in the second year of its inception and I was the first to take it at the Health Department so the only study guide was the Salvato book.

Studying

NOT PREPARED

Lack of study prep

not studying

Subjects on exam that are not dealt with in every county.

not memorizing the material

wide range of topics to learn

cost of study materials and study time

vast technical terminology and subject matter

did not study one whole section

no study material readily available

There is such a massive amount of information that is asked over a broad range of questions it is difficult to prepare for test first time without having an idea of the types of questions and material that will be covered on the exam

na

Lack of knowledge/experience. Trick questions.

Not studying and/or familiar with all the topic areas

Wording was unclear

I passed first time

it contains questions related to programs people do not actually work in. for example a food safety sanitarian is expected to pass a portion about housing code

Lack of study

Practical experience and application

very broad range of subjects/fields

Questions not related to my duties

questions out of field of study

Not prioritizing study material based on test content

not knowing the subjects covered on the exam

Lack of preparation.

How broad the test is and a lack of prior experience in many of the subjects.

Not studying the correct / enough materials

exam not relevant

Lack of studying for the exam and not having quality study materials directly related to the exam.

Lack of prerequisite science knowledge

lack of technical training on EH in a BS program

Lack of education

No study guide and too much diversity in topics

A few reasons include: a lack of formal and informal training, time and funding constraints, test anxiety, and resource disparities between local health departments.

Lack of experience

Questions in areas not working in.

lack of educational materials geared straight toward the test

Questions are advanced

Lack of clarification of what to study

Broad subject matter

Not studying enough and studying the right material

No knowledge

Too many aspects to know .

don't know

People who do not adequately prepare for the exam.

Dont know

lack of studying

Lack of confidence

N/A

Lack of background with the vast majority of topics

grandfathered in directly as RS

too long after college

Lack of good self-study skills and the ability to learn new concepts without formal training

lack of preparation

The questions cover such a large range of topics it impossible to prepare for the questions. Plus, the questions didn't pertain to the actual job of being a Registered Sanitarian at a health department.

broad subject

lack of knowledge

Lazy

n/a

the wide selection of test questions.

Proper prior preparation prevents piss poor performance, so a lack of proper preparation on the part of examinees.

questions that do not pertain to actual programs enforced in the county that you work in

There are so many diverse areas covered in the RS exam and in my experience, my work related duties related only to a few of the areas covered by the RS exam.

Lack of proper study materials

N/A

Too difficult

Lack of EH degree/education; not enough exposure to all EH programs

Not having taken it - I am a grandfathered RS.

not studying, young sans probably think that college prepared them enough.

Very detailed knowledge is needed on a wide variety of topics, the majority of which I've never used in my job.

Large amount of different subjects overwhelms people who have not been exposed to the subjects.

Not enough study time allotted.

The exam didnt relate to county eh programs

the test does not cover what an RS in Ohio actually DOES for a job on a daily basis.

Test-taking proficiency, information recall, unfamiliarity with more than one topic

The variety of information covered and how it relates to the job people are doing prior to the exam. From water to solid waste to food. If you specialize in solid waste or drinking water, you probbaly get no exposure to food which is a major part of the exam.

I didn't have anything to study

Did not find Jesus yet.

Lack of idea what to study for

Subject manner knowledge

Not thinking in a critical way

Knowledge lacking regarding rules and regulations and what a RS does

did not study

N/A

unrelavent questions to current work done in field

lack of study time

Others? Dunno-maybe they are lousy test takers

It is too all encompassing and does not allow people to pass the parts they elect to utilize in their field of work.

Specific college preparatory courses

Too much material and not enough direction

Insufficient Education/Prep

Not studying seriously

Not studying

wide range of topics

Q39 - Is there anything else you would like to comment on, especially with regard to preparation for the RS exam?

Q39 - Is there anything else you would like to comment on, especially with regard...

I have not yet taken the exam, however, I would like to say that my employer is now paying for and offering a prep course which is such a help. It's difficult to work full time as an SIT and have a family life while studying for such a broad topic exam. So, this RS exam preop course is great to have as time away from work and spent solely on preparing for the exam. Also, my work recently talked about cross training in order to see how other areas of environmental health work.

It is difficult, very difficult but not impossible.

I know several people who took the exam once to see what it was like before doing any type of studying. Some failed, but others passed. Most of the people I know who passed the first time had more environmental background - either college courses, or experience. I feel that the exam is fair, but the content is broad and people taking the exam seem to either underestimate the time it takes to prepare for the course, or they are taking it once to see what it is like.

Get a good night's sleep before the test

would like for there to be study groups/ guidance to help us study for the test

If the exam reviewers let you review exactly what questions you answered incorrectly.

Perhaps target how to accomplish certain issues versus memorizing things that are looked-up on a daily basis.

No.

Shadowing other sanitarians in program areas different from your own will help prepare for areas of the test that are otherwise unfamiliar

Needs to be a standardized way to teach and train people taking exam.

HD are under extreme pressure to improve efficiencies, there is not time in the workday to promote preparation at work, there should be a culture change around this.

ODH announced at their Principles class that the course "in no way would prepare you to take the test". But Principles class would prepare us for doing

our daily tasks at our local department. Why doesn't the test coincide with our daily tasks?

Some of the study materials in the OEHA Sit prep class materials were incorrect.

I took the exam prep at OEHC track last year. Instructor gave everyone a thumb drive saying that if you knew what he had on it, you'll pass. I knew it - I didn't pass. 5 minutes into the exam and I knew I wasn't passing.

talking to others who recently took the test

Continue the OEHA and other preparation courses

No

Too many trying to cheat and copy older tests

I would love to have a practice test. Even if it was hundreds of questions, something that made me feel more prepared and confident.

Every person is different, what works for one person may not work another.

lack of guidance on the areas study to concentrate on prior to taking the test

There should be areas of specialty - like engineering. Foodservice vs. Environmental vs. Epidemiology

good luck. The exam is very broad and covers so many different areas. A lot of the areas that I had to study for will never be used in my professional career.

I think it would be useful to divide the test into subject matter areas. If a test taker fails one or more subject matter sections, but passed others, they should only have to retake the particular subject matter areas that they failed. Then, they wouldn't have to study everything again.

The numerous various topic require time to prepare and study for the exam; especially if those fields are not part of your daily work.

I HAD A STUDY GUIDE PUT TOGETHER BY A FEW DIFFERENT HEALTH DEPT. I USED TO STUDY. ALSO PUTTING THE TIME IN TO KNOW THE MATERIAL AS WELL AS HANDS ON IN THE FIELD.

Working in a program with limited presents in the exam does not help. New sanitariums need to work in the programs that have the largest presents on the

exam.

Most questions had multiple correct answers and were worded in ways that easily allowed for misunderstanding or mistakes. Using words like most, best, least, most likely, etc.

My passing point was 65%, which was not listed. Cost for test and renewals are too high for what little we get.

Studying the material combined with hands on field experience is what helped put the more foreign subjects into context. The subject matter was more relatable and I remembered it better after having done the field work.

NO

NO

I feel it is difficult to take such a broad test, I deal with food not all other programs

needs to be more training in epidemiology/diseases

No

A study session at a university level would be very long. There is plenty of dead time at a health department to study if there was a guide.

Not at this time

No.

A study course would likely have been helpful; however I feel reading the book by Salvato and making note cards was most effective for me.

The state agency did not supply very good materials, the test was outdated at the time,

Get a good textbook (I used Salvato's Environmental Engineering and Sanitation) and make study notes. Create study notebooks outlining the major themes along with critical formulas and pieces of knowledge. Take advice from people who have already taken the exam.

Those that have seriously prepped using the NEHA coursework and materials have passed.

no

no

sample questions were a great help. When the test states which percent will be asked in each area concentrate on the areas of the most questions. Also, focus on the areas you ARE familiar with so that

maybe you can get 100% on that area.

Study...study...study!

It's a very difficult but fair exam

Taking college courses in Environmental studies critical for passing the RS exam.

The cost of the computer exam is outrageous. With the costs involved in testing, memberships, etc. it is a wonder you have any SIT's at all interested in practicing this discipline!

Makes it hard to improve and get better when results are vague. Passing each domain should be sufficient enough until the next exam.

no

seemed like a trivial fact memorization test and not whether you know Environmental concepts

There is not a lot of study material for the exam. The best resource was the REHS Examination Course Workbook

There is the need for a concise and relevant study materials that reflects the questions being asked. Additionally, candidates must not take the exam for granted, but must study, study and study because one cannot study enough. There is too much materials to cover for the exam.

More official study information and feedback for professionals.

Review NEHA study guide

Ask questions and study and review the food code, plumbing and be familiar of the generalist work.

I passed the exam according to NEHA standards (got a 69% the third time I took the exam). I was forced to take the exam a fourth time and passed. I didn't feel that it was right to have a passing score from the makers of the exam, but because Ohio kept their 70% passing score that they had for their own exam, I was forced to take the exam again and pay more money.

I emphasize to everyone preparing to take it, to take it very seriously. I studied 10 hours a week for almost 6 weeks prior to taking the exam, and it still was pretty difficult.

no

There should be more "official" prep material other than Salvato's book.

With receiving a BS in Human Ecology geared toward teaching, I did not have any idea what to expect from the PES exam until I took the exam. Colleagues recommended reading Salvato. This greatly helped

teach the technicalities of various public health program areas. OEHA field reference guide and SIT study course beneficial but I personally feel many answers to PES questions were found within Salvato Engineering and Sanitation references.

There should be much more mentoring. The idea of "I took the test, good luck to you" is wrong. Registered Sanitarians should be somehow helping those trying to pass the test.

If you are not close to Columbus rent a hotel room the night before the exam and use the time to study. The NEHA study guide is a waste of \$180. They should be ashamed to sell something like that. Cut and paste errors, questions that have no bearing on chapters material. Very disappointed in this product. I completed the online EPHOC courses offered by Tulane and UAB which are linked from the CDC website. Some of the modules are dated but were helpful for me as a geologist coming into public health without the background

no

Once you know what to study for you can pass the test. It would be nice to see the test after you take it. This way you really know what questions you got wrong and can study to get them right on the next test. Also a study guide all other board exams have some type of study guides. It would seam like we could as well.

If I had to sum up why I believe I passed the test on the first try, it would ultimately be due to the review of old practice test materials.

No

When I took the exam, it was very new and there was not a review course available at the time. For the new sanitarians, there are many opportunities to improve your chances of passing the exam including having an actual Environmental Health degree. The practice exam answer keys have answers that are provably wrong. This is extremely discouraging as I have no faith that the real exam will fare any better as it is produced by the same entity. The suggested material is so broad reaching and encompassing that it may as well just be; Know Everything. I know people that have taken the exam and had to look in the footnotes of the suggested reading to find answers to questions they missed. If this test was given to the education department of any respectable university it would receive scathing reviews. This exam is clearly designed for failure. The only debatable part is if it was done as a money grab, out of ineptitude, or as a

continuation of some sort of rite of passage.

It is very useful to work actively as a "generalist" in the field prior to taking the exam, but it also is very helpful to have a genuine enthusiasm for "all things sanitarian" prior to sitting for the exam. Often these days, even in small health departments, sanitarians are specialized in one or two programs. This is unfortunate in terms of on-the-job prep for the exam as well as for producing a well-rounded and capable environmentalist.

I took the NEHA exam right after being grandfathered as an RS by Ohio in 1990 to prove to myself that I could have passed the state exam. I believe the exam is probably much more difficult now than when I took it.

study material from other co-workers who had recently taken the test helped the most.

need more guidance as to what to study

Maybe the RS Board organizes the study courses. Maybe a NEHA teacher for prep course?

NA

No

I did a basic reading of two books. I would not have been able to afford all the books Neha recommends for the exam or cared enough to read each one. The exam is too broad for my position

Maybe offer a pretest prior to issuing sit certification.

I think the exam, or some extended version should be required for sanitarian a once every 5 years for continuing education

i was not offered any exam preparatory courses, which i would had liked to have taken

Free practice exams, study guides, access to local study group options

I would not have passed without studying.

The hardest thing was studying fir subject matter not part of HD functions. What helped was having the ability to shadow/ be coached by other rs

I passed the exam with registration was voluntary in 1981.

Gear the test more towards local sanitarians there are more of us than state level

no thank you

study...most do not,or cram...do not change due to their laziness

The scaled score that is given is not a percentage score. Additionally, having a stronger background in the sciences is very helpful.

An inexpensive, online practice exam would be great for preparing for the RS exam.

More material that directly applies to the exam material. I certainly wouldn't expect the material to teach directly to the test but right now the ability to retain so much information that is not needed on the exam causes frustration for those who take it and fail. Also, smaller health departments may not be able to provide as much on-the-job experience that is test related for SIT's as larger departments can so the study material takes on a greater importance for those working for the sampler health departments.

I found the technical courses I took at Zane College for an Environmental Resource Tech very useful with the information outside the health dept and was exposed to national regulations and policies. I also have seen in my past 15 years there are multiple reasons for not passing the exam 1. if they do not pass it - they try again or quit at the job and move on. 2. They are close to passing but are sometimes stigmatized by co-workers for failing the test (Note some of these co-workers were grandfathered in or took a different test. 3. There is a lot of work and time that needs to go into studying while at the same time learning their job responsibilities of a new job can be hard when under pressure to use work time for work and not study. Last reason, board is not paying for exam or reward if passed the exam other than if you pass you have more of a guarantee to have a job as an RS vs a SIT with the length of 5 years max.

It would be nice to have study material that is available to everyone. Most of my study material was obtained from people who had already taken the test.

I had worked for 16 years for a local HD that didn't require RS, so I had to study on my own when I wanted to go to another agency. I took the test over 25 years ago.

I would suggest talking to some who had recently taken the test for insight.

Keep it the same.....do not make it easier for those now. I even passed the NEHA course too.

the principles class was very important offered by odh

The questions on the exam do not reflect real world situations, sometimes answering wrong is actually correct on the exam.

group study is helpful

My college degree program prepared me for the exam. I did very little studying for the exam. The material on the exam was covered in the college course work.

A practical test on the activities and skills required to perform actual Sanitarian work would be far more applicable than the NEHA or the previous test.

Questions on subjects radiation and air control are ridiculous when the vast majority of RS's in Ohio will never encounter those areas. Additionally, in a practical setting, a RS would have books like Salvato and even Google to figure out the answers to real work practical issues. These tests are an antiquated method of analyzing one's ability to perform well.

no

Prep classes should be offered

Need to be more relevant to inspectors and engineers

Can be challenging to study for an exam while maintaining a full time job...great if employers allow time to study in addition to the now exist review courses are a plus

The exam seem to have things on it that do no apply to typical RS occupation i.e. hazard placards for semi trucks and smoke stack scrubbers. My study material included these things too but they seemed impractical. It also seemed to have unnecessarily tricky wording but again my study material helped me prepare for that.

I'm not sure how many RS people are out there that didn't have to take the test and were grandfathered in like I was. Experience has to count for something.

I know that in the recent past, more educational opportunities have been afforded to SIT's to help prepare for the exam, but i think more can be done in the way of study materials and specialized courses to help candidates prepare for the exam.

Avoid study sessions or other formal test prep trainings. They are typically filled with people that cannot pass the exam and it is a complaint-filled, negative environment.

OEHA is currently taking the lead in preparing SITs for the upcoming exams. While helpful, I feel the responsibility for preparing SITs for exams should fall on the RS board or State Departments.

Field experience was also an extremely important part of passing-mentoring

I found 1 book and study guide from a KSU course to be exceptionally helpful, Our global environment by Anne Nadakavukaren.

Passed on send attempt after test jitters left and became more familiar with how diverse and varied questions could be, especially with those dealing with public relations and health/safety concerns.

very overwhelming when I took it not a lot of material to study from

For people like me that are not great test takers, preparation and studying is key.

The Ohio Sanitarian Board is so out of touch with the sanitarians because they get hand picked by the Governor Kasick (the good ole boy system). A lot of other states use other methods that are very effective in recruiting good potential sanitarians by having common sense people (The Ohio common sense initiative is a joke) on the their sanitarian boards that allow potential sanitarians to use job experience to become an RS compared to just making everyone pass a test that really does not prove any point other than a passing score. Generally it is common sense, in which the Ohio sanitarian board has hardly any, that when passing rate for the test are very low on a continuous basis one would think that there may be a problem either with the test questions, format, passing score, people on the Board are to lazy, the governor does not care, etc. that someone would take the initiative to do something to help the many many people that are spending a ton of money to take the test feeling like they are being set up for failure. The test does not have to cost that much. it is ridiculous to charge that much and the test fee can be set lower but once again that goes back to the governor and the ohio sanitarian board being LAZY.

This exam is difficult because Environmental Health is a broad discipline and SITs are tested on areas in which they do not practice and areas/programs that may not operate within their health district.

Be prepared and study all public and environmental health.

when in doubt answer "C"

Free access to several types of pre-test

I was grandfathered in, and left the field. When I returned, I had to take the RS test

All SITs should be trained in the field in various programs before they take the RS exam.

A B.S. Degree is not enough to pass that exam.

Further study & experience is necessary

don't be lazy. you have to study. people get mad when they don't pass, but it's usually because they weren't willing to put the extra time in after work to study.

no

the only help from "on the job" experience was being familiar with technical terms

the test seems a little expensive fro becoming a sanitarian, I don't want to be a doctor.

You need to know something about all of the areas.

the rs exam tested what i learned in college more than what i learned working.

Received some self made study guides created and shared by others that helped

It was hard to learn everything. I only deal with landfills, but needed to know about epi, food, wastewater, etc. It was difficult. The prep course helped a ton b/c I did not know what to expect at all.

Did not take an exam.....was "grandfathered" in Environmental question, industrial questions...do not apply to duties yet are on the test.

Need more prep courses to prepare for taking the exam...cost per test is high

The NEHA prep book was the most helpful as many of the questions on my test were in the study guide

It is very broad, I think people underestimate the amount of content, and do not put enough time into study preparation prior to taking it. I have heard many that took it to "see what it was like" the first time - then put in the time to study for it.

Law practice questions were helpful

Was Grandfathered in and did not test, was ready to but bill passed

too dam hard!

no

I was grandfathered in as an RS in 1988 - no degree - did not take RS exam

The OEHA prep course and materials as well as the NEHA study guide are essential.

It would be great if there was a clearinghouse available to everyone of study materials and practice questions. Materials tend to be passed down from individual to individual.

Traing is needed instead of teaching to pass the exam.

Exam was totally unrelated to 95% of my job for the 10 yrs I worked in government

Prior to taking my PES examination, I participated in a mandatory state-wide structured training program that combined required coursework with planned experiential learning rotations in multiple areas of

environmental health. All sanitarians in my state received the same initial centralized or regional training and had opportunities to interact with subject matter experts and their peers throughout the remainder of their careers. I strongly believe that Ohio sanitarians-in-training would benefit from a similar type of training program.

I took the exam in 1978 - many years ago.

I think it should be easier today, given the fact that study materials are geared more toward the test questions.

Some of the questions are put together by Sanitarians that have worked in the field for many years. It is not reasonable for the SIT to have the knowledge of an experienced RS

A formal study program would have been extremely helpful but none were available at the state level when I sat for the exams in 2000.

I was an Environmental Science Officer in the U.S. Army and had taken the NEHA exam years ago.

RS exam applicants cannot prepare for the exam the night before and expect to pass it. The exam requires advance preparation with study guides, onsite training within the field and a good mentoring program. I also had thought the prep course at OEHA was helpful as well.

No

just needs routine studying

Lack of study courses

Advice and comments from my colleagues who had taken the exam really helped me with studying for exam.

The most helpful thing to me was getting materials through the OEHA prep course and then studying on my own. In particular, we had access to old tests which helped tremendously

ODH / ODA / San Bd. should provide more help

I think that I took the exam not long after being out of college was helpful because I still had good study skills in place.

I took the exam many years ago, and even though I passed it the first time, it was extremely difficult. Those preparing to take it should understand it is not one to take lightly. Long hours of studying are absolutely necessary.

I don't believe there is a way to study for, or prepare for, the exam. I think you have to see it once to get

an idea of what it looks like, and then maybe you can study better the next time.

must provide study materials/practice test

no

needs to be more application to OAC and ORC and real life situation like violations and reports

Given the large range of subject matter, it is important to study as much as you can every day for an extended period of time - in my case it was at least 90 straight days. On bad days that is only going to be 30 minutes, other days it will be several hours. It is also important to budget or plan your study time proportionally. By proportionally, I mean, if 45% of the test questions pertain to food safety, 45% of your study time should be dedicated to this subject matter, because acing these questions places you 45% of the way to a passing grade.

I took the test on December 7, 2000 - The test offered at that time was the NEHA. That was not an option on the survey.

The training for my job only accounted for a few areas of the RS exam. I had to focus a lot of my studying on the topics that did not relate to the jobs that I was performing.

In my opinion, it is extremely difficult to pass the exam without dedicated study time

I did not actually take the exam - I was grandfathered.

There is no direct course in Ohio that teaches the basis of the exam. The exam is principle based and not on practicality.

Study early and often. Most of my staff that adequately prepare have little problems with it, but you have to prepare.

no

Training opportunities for the test should be provided at all conferences and meetings for SITS.

I took it serious the first time to pass. Most I heard go the first time just to see what the test is like.

Make sure the questions do not conflict with Ohio regs. Ie: There was a question about "trench landfills" on the exam yet these types are not allowed in Ohio. Also, less focus on water treatment plant questions. Most sanitarians don't need to know how a water treatment plant operates. They need to know how to make and keep water potable

There is very little support for the RS test from the Ohio RS Board, Ohio Dept. of Health etc. the only solutions they seem to offer are to spend hundreds of

\$\$\$ on the NEHA study info.

Material was given by co-workers was general. More specific, detailed information would have been helpful.

There was another individual at the LHD at that time that had not passed the exam and was entering his 5th year, so he had the book that was recommended and I was not allowed to use it. I decided to take the exam anyway, to give me an idea of what to expect. This allowed me to better focus my studies and in my opinion was worth putting the money towards.

Pray Long Time

When I took the exam, there was no prep classes.

being a generalist helped me pass the exam. I also took the ODH "Principles" course. Should have an option to select Central Ohio region

Study, learn, study, work

Personally I don't understand why people have such a hard time with the PES test. Like I said already, I think test anxiety might be more of a factor than anything.

The test should be designed to allow people to take only those portions they have need for in the field of work they are involved or want to become involved in.

If you've taken the exam before, you are not given a proper breakdown of different subjects that you need to work on specifically. The NEHA Exam Study Book also was very vague and was not beneficial for the exam content.

I took the NEHA test back in 2001; however, that was not an option when this survey asked which exam I had taken. In 2001, the NEHA exam was very long--I think around 300 questions--and took all day, which seems a little excessive. I am not sure what the length of the exam is now.

the study materials I used at the time were the State codes, and the Environmental Engineering text from Salvato.

**CE 2 For Board Review
May 18, 2016**

Reviewer	Course Number	Contact	Course Title	Date	Hours
Tracy	1 A	Michelle Ackenhausen	Communicating Professionally: Session 1 - Target the Reader	Various	2.5
Tracy	1 B	Russell Brown	Communicating Professionally: Session 1 - Target the Reader	Various	2.5
Tracy	1 C	Toni Carmichael	Communicating Professionally: Session 1 - Target the Reader	Various	2.5
Tracy	1 D	Mike Joseph	Communicating Professionally: Session 1 - Target the Reader	Various	2.5
Tracy	1 E	Marie Lammers	Communicating Professionally: Session 1 - Target the Reader	Various	2.5
Tracy	1 F	Patrick Willoughby	Communicating Professionally: Session 1 - Target the Reader	Various	2.5
Tracy	2	Jeffrey Gerdes	Lead Risk Assessor Training	3/14/2016	6.75
Tracy	3	Jeffrey Gerdes	Lead Abatement Supervisor Refresher	2/26/2016	6.5
Tracy	4	Peter Schade	Ohio Association of Community Health Centers 2016 Annual Conference	3/2/2016	9.25
Tracy	5	Laura Wallrabenstein	G775 EOC Management & Operations	2/24/2016	15
Tracy	6	Kristen Campbell	AEE 7230: Strategic & Program Planning for Visionary Change	12/17/2015	18
Tracy	7	Paul Rosile	Kentucky Environmental Health Association 46th Annual Educational Conference	2/19/2016	10
Tracy	8 A	Carol Zubovich	Mobile Inspections	3/2/2016	1
Tracy	8 B	Brad Strait	Mobile Inspections	3/2/2016	1
Tracy	8 C	Scott Whittaker	Mobile Inspections	3/2/2016	1
Tracy	8 D	Cayla VanGilder	Mobile Inspections	3/2/2016	1
Tracy	8 E	Elizabeth Kirby	Mobile Inspections	3/2/2016	1
Tracy	8 F	Sasinee Sanka	Mobile Inspections	3/2/2016	1
Tracy	8 G	Kenyatta Bosley	Mobile Inspections	3/2/2016	1
Tracy	8 H	Robert Gilreath	Mobile Inspections	3/2/2016	1
Tracy	8 I	Carrie Kamm	Mobile Inspections	3/2/2016	1
Tracy	8 J	Kathryn Madden	Mobile Inspections	3/2/2016	1
Tracy	8 K	Robert Acquista	Mobile Inspections	3/2/2016	1
Tracy	8 L	Tim Basak	Mobile Inspections	3/2/2016	1
Tracy	8 M	Abdul Abdi	Mobile Inspections	3/2/2016	1
Tracy	8 N	Andy Robertson	Mobile Inspections	3/2/2016	1
Tracy	8 O	Adam Gilbert	Mobile Inspections	3/2/2016	1
Tracy	8 P	Vincent Fasone	Mobile Inspections	3/2/2016	1
Tracy	8 Q	Jessica Frank	Mobile Inspections	3/2/2016	1
Tracy	8 R	Zachary Orsborne	Mobile Inspections	3/2/2016	1
Tracy	8 S	Patrick Hartung	Mobile Inspections	3/2/2016	1
Tracy	8 T	Christina Wilson	Mobile Inspections	3/2/2016	1

CE 2 For Board Review

May 18, 2016

Tracy	8 U	Stephen Meininger	Mobile Inspections	3/2/2016	1
Tracy	8 V	Robert Hall	Mobile Inspections	3/2/2016	1
Tracy	8 W	Glenda Underdown	Mobile Inspections	3/2/2016	1
Tracy	9	Kristopher Welch	Dairy Division Ethics Training & Staff Meeting	2/8/2016	3.5
Tracy	10	Michael Smylie	Flint & Lead: The Water Public Health Connection	3/16/2016	1.5
Tracy	11	John Sobolewski	Flint & Lead: The Water Public Health Connection	3/16/2016	1.5
Tracy	12	Dateesha Cavin	Wellness in the Workplace	10/1/2015	.5
Tracy	13	Anthony Angelo	Lean Ohio Boot Camp	2/25/2016	18
Tracy	14	Kathryn Stolte-Carroll	Food Processing & Technology	3/11/2016	18
Tracy	15	Greg Cassiere	Norweco Singular Green ATU Training	2/11/2016	5
Tracy	16 A	Jane Kay	Where to Mark	3/10/2016	5
Tracy	16 B	Jason Scoles	Where to Mark	3/10/2016	5
Tracy	16 C	Robert Derge Jr.	Where to Mark	3/10/2016	5
Tracy	16 D	John Cade	Where to Mark	3/10/2016	5
Tracy	17	Ryan Gierhart	OWEA NW Section Meeting March 2016	3/16/2016	3
Tracy	18 A	Rick Novickis	Cleveland Republican National Convention BioWatch Exercise Day 2	3/30/2016	4.5
Tracy	18 B	Wallace Chambers, Jr.	Cleveland Republican National Convention BioWatch Exercise Day 2	3/30/2016	4.5
Tracy	19	Amy Holinbaugh	Tattoo & Body Piercing Safety: A Course for Operators	4/11/2016	4
Tracy	20	Teresa Lenehan	Asbestos Inspector & Management Planner Refresher	3/3/2016	5
Tracy	21	Brent Goetz	Ohio Brownfield Conference 2016	4/7/2016	11.75
Tracy	22	Trent Wren	Inspecting Concrete Sewage Tanks	2/18/2016	1
Tracy	23	Trent Wren	NAWT Ask the Experts Panel Discussion	2/17/2016	1
Tracy	24	Trent Wren	The Basics of Inspecting Drip Systems	2/17/2016	1
Tracy	25	Trent Wren	An Exercise in Troubleshooting	2/17/2016	1
Tracy	26	Trent Wren	Onsite Septic System Loading Rates & Site Layout	2/17/2016	1
Tracy	27	Trent Wren	Analysis of Drainfield Failures & Restoration Methods	2/18/2016	1
Tracy	28	Trent Wren	Onsite System Pump Design Made Easy	2/18/2016	1
Tracy	29	Trent Wren	The Onsite Wastewater Industry & Our Carbon Footprint	2/18/2016	1

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Tracy	30	Trent Wren	Basics of Septic System Control Panels	2/17/2016	1
Tracy	31	Richard Dezzi	Petroleum Education Council Core Compliance (Oil & Gas Industry Safety)	3/3/2016	18
Tracy	32	Jeffrey Martin	Introduction to Statistical Methods for Environmental Monitoring	4/8/2016	12
Tracy	33	Paul Hagen	Transportation Rail Incident Response Training	3/15/2016	7.5
Tracy	34	Alfonso Nunez	Interpersonal Communication	3/22/2016	6
Tracy	35 A	Douglas Disbennett	AdvanTex Installer & Service Provider Training	3/18/2016	4
Tracy	35 B	Paul Sanders	AdvanTex Installer & Service Provider Training	3/18/2016	4
Tracy	36	Vanessa Crumb	Radiation Safety Training	2/5/2016	1.75
Tracy	37	Carol Sanford	2016 Spring STS Contractor Meeting	3/18/2016	3
Tracy	38	Mark Needham	Lead Abatement Supervisor Refresher	3/24/2016	6.25
Tracy	39	Melissa Storch	Hazardous Waste Inspector Training	4/21/2016	5
Tracy	40	Christopher Novelli	Leadership Essentials for Health	4/13/2016	14.5
Tracy	41	Richard Huddle	Lead Abatement Supervisor Refresher	3/24/2016	6.25
Tracy	42	Richard Huddle	Asbestos Abatement Project Designer Training	3/15/2016	6
Tracy	43	Richard Huddle	Asbestos Building Inspector & Management Planner Refresher	2/3/2016	5
Tracy	44	Richard Huddle	Asbestos Abatement Project Supervisor Training	4/7/2016	6
Tracy	45	William Robinson, Jr.	NECO Regional Functional Exercise	4/7/2016	4
Brian	46	Edwin Barth	Hazardous Waste Operations	4/21/2016	8
Brian	47	Colin Johnson	Pipeline Awareness	3/31/2016	2.5
Brian	48	Ghassan Tafla	WMD Radiological/Nuclear Responder Operations	4/14/2016	18
Brian	49	John Sobolewski	Public Health's Legal Authority & Safe Drinking Water	4/5/2016	1
Brian	50	Robert England	ICS 300: Intermediate ICS for Expanding Resources	12/4/2015	17.75
Brian	51	Carolyn Watkins	2016 EEO Management Training: Know the Law	3/31/2016	5.75
Brian	52	Jeremy Hessel	Hazardous Waste Operations & Emergency Response Refresher	4/7/2016	7.25
Brian	53	David Fetchko	Sewage System Operation & Troubleshooting Workshop	4/13/2016	7.5

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Brian	54	Brian Griffin	Regional Ebola Coordination Exercise	4/19/2016	3
Brian	55	James May	Assert Yourself: Building Assertive Communication Skills	4/12/2016	3
Brian	56	Christy Armstrong	EMA Ohio 368a: Family Assistance Center Operations/Victim Identification Program	3/16/2016	13
Brian	57	Melissa Storch	2016 EEO Management Training: Know the Law	3/31/2016	5
Brian	58	Gary Silverman	Avoiding Prenatal Exposures	2/10/2016	1.5
Brian	59	Gary Silverman	Lead Testing, Response & Communication	3/9/2016	1
Brian	60	Gary Silverman	Using Graywater & Stormwater to Enhance Local Water Supplies: An Assessment of Risks, Costs, and Benefits	3/10/2016	1.25
Brian	61	Gary Silverman	Flint & Lead: The Water Public Health Connection	3/16/2016	1.5
Brian	62	Eric Schaefer	2016 Private Applicators Recertification School	2/18/2016	3.5
Brian	63	Eric Schaefer	ODA February 2016 Dairy Division Staff Meeting	2/9/2016	4
Brian	64	Jeff Gibbs	Scrap Tire Management Summit	3/24/2016	6
Brian	65	Susan Kramer	Surface Water Treatment Rule Training	3/15/2016	3
Brian	66	Brent Goetz	Certified Professional Initial Training	3/8/2016	7
Brian	67 A	Robert Gallenstein	AdvanTex Installer & Service Provider Training	3/18/2016	5
Brian	67 B	Dave Ellert	AdvanTex Installer & Service Provider Training	3/18/2016	5
Brian	68	Ryan Younge	Zika Action Plan Summit	3/10/2016	1
Brian	69	Maalini Vijayan	A Coordinated Response for Food Emergencies	10/8/2015	16
Brian	70	Lynette Sopko	Planning & Facilitating Collaborative Meetings	3/23/2016	12
Brian	71	Paul Rosile	Eastern Kentucky University's 21st Annual Environmental Health Symposium	3/10/2016	6.25
Brian	72	Megan Batson	G 235: Emergency Planning Course	3/22/2016	15
Brian	73	Amy Holinbaugh	Preparing & Preventing Zika	3/23/2016	1
Brian	74	Paul Rosile	Zika Virus	3/4/2016	1
Brian	75 A	Allison Cycyk	Managing Performance & Coaching for Success	3/22/2016	5.5
Brian	75 B	Mike Reiser	Managing Performance & Coaching for Success	3/22/2016	5.5

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Brian	76	Michael Suits	PUBHEHS 6320: Global Environmental Microbiology	12/9/2015	18
Brian	77 A	Megan Muzic	Grant Writing 101: Finding Funders & Grant Writing 102: Writing Effective Proposals	3/24/2016	5
Brian	77 B	Paul Stromp	Grant Writing 101: Finding Funders & Grant Writing 102: Writing Effective Proposals	3/24/2016	5
Brian	77 C	Cady Hutchinson	Grant Writing 101: Finding Funders & Grant Writing 102: Writing Effective Proposals	3/24/2016	5
Brian	77 D	Elizabeth Rinnder	Grant Writing 101: Finding Funders & Grant Writing 102: Writing Effective Proposals	3/24/2016	5
Brian	77 E	Jacob Peterson	Grant Writing 101: Finding Funders & Grant Writing 102: Writing Effective Proposals	3/24/2016	5
Brian	78	Kathy Shull	Improving Understanding & Collaboration Among First Responders	3/10/2016	.75
Brian	79	Marc Snitzer	Combustible Dust Hazards: Recognition, Evaluation & Control Recommendations	3/23/2016	6
Brian	80	Pat McGilly	Improving Management of Chemicals in Schools	3/31/2016	1
Brian	81	Ann Hollingsworth	2016 Pesticide Recertification	3/1/2016	5.25
Brian	82	Angelo Italiano	Tattoo & Body Piercing Safety: A Course for Operators	4/11/2016	4
Brian	83	Ryan Gierhart	OWEA NW Section Operations/Personnel Education Meeting	4/5/2016	3.25
Brian	84	Kerry Stanley	Active Shooter Training	4/8/2016	1.5
Brian	85	Jason Channels	2016 Manufactured Food Regulatory Program Standards Training Course	2/4/2016	18
Brian	86	Cammie Mitrione	Update on Ohio Food Code: Where to Mark Violations	3/10/2016	5
Brian	87	Ghassan Tafra	WMD Radiological/Nuclear Responder Operations	4/14/2016	18
Brian	88	Jerry Parker	2016 CTI Landfill Symposium	3/22/2016	5.5
Brian	89	Jonnica Creech	Update on Ohio Food Code: Where to Mark Violations	3/10/2016	5
Brian	90	Colin Johnson	Pipeline Awareness	3/31/2016	2.5
Brian	91 A	Habib Kaake	2016 CTI Landfill Symposium	3/22/2016	6
Brian	91 B	Andy Drumm	2016 CTI Landfill Symposium	3/22/2016	6

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Gene	92	Mike Reiser	Effective Designation: Session 7 of the New DEAL	4/13/2016	5.5
Gene	93	Kelly Dues	PHAB Online Orientation	3/4/2016	3.25
Gene	94	Kelly Dues	AOHC New Employee Training	3/8/2016	5
Gene	95	Mike Reiser	Managing Performance & Coaching for Success	3/22/2016	5.5
Gene	96	Kurt Schroeder	PHAB Online Orientation	4/5/2016	3.25
Gene	97	Gregory Hall	Lean Ohio Boot Camp	2/25/2016	18
Gene	98	Allison Cycyk	Effective Designation: Session 7 of the New DEAL	4/13/2016	5.5
Gene	99	Ryan Younge	Interim Guidelines for Prevention of Sexual Transmission of Zika Virus	4/12/2016	1
Gene	100	Jeffrey Gerdes	Asbestos Abatement Project Supervisor Training	4/7/2016	6
Gene	101	Jeffrey Gerdes	Asbestos Inspector & Management Planner Refresher	3/30/2016	5
Gene	102	Davene Sarrocco Smith	Conference for Food Protection	4/20/2016	18
Gene	103	Dennis DeLong	FSPCA Preventative Controls for Human Food & Lead Instructor Training	3/17/2016	18
Gene	104	Allison Cycyk	Change Management: Session 8 of DEAL	4/27/2016	5.5
Gene	105	Louis Boerger	G290: Basic Public Information Officer & G 291: JIS/JIC Planning for Tribal, State & Local PIO's	3/24/2016	18
Gene	106	Greg Cassiere	AdvanTex Installer & Service Provider Training	3/18/2016	5
Gene	107	John Gedeon Jr.	Virtual Bed Bug Conference	4/13/2016	4
Gene	108	John Gedeon Jr.	CCBH Bed Bug Task Force	2/16/2016	2
Gene	109	Paul Rosile	Operational Use of Adult Mosquito Traps for Temporary Removal of Dengue/Chik V/ Zika Vectors	4/28/2016	1
Gene	110	Lisa Weisberg	Lead Risk Assessor Training	2/22/2016	6.25
Gene	111	Scott Pozna	Hoarders: A Day with Matt Paxton	4/13/2016	4.75
Gene	112	David Ramby	HSTS Installer Meeting	3/22/2016	8
Gene	113	David Ramby	Housing	4/12/2016	2.5
Gene	114	Linda Aller	Remediation Workshop	9/10/2015	4
Gene	115	Linda Aller	Emerging Contaminants Summit	3/2/2016	13.25
Gene	116	Ryan Younge	Zika Vector Surveillance & Control "How To" Workshop	4/26/2016	4.75
Gene	117	Dateesha Cavin	OSHA Recordkeeping	11/9/2015	6
Gene	118	Dateesha Cavin	Basic Construction Safety Course	11/20/2015	18
Gene	119 A	Amy Brown	Pulses & The Future 2016 International Year of the Pulse	3/12/2016	2

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Gene	119 B	Sara Becker	Pulses & The Future 2016 International Year of the Pulse	3/12/2016	2
Gene	120 A	Sheila Nash	Basic Swimming Pool Operation	4/21/2016	2
Gene	120 B	Tom Rutter	Basic Swimming Pool Operation	4/21/2016	2
Gene	120 C	Stefen Paregon	Basic Swimming Pool Operation	4/21/2016	2
Gene	120 D	Julie Nye	Basic Swimming Pool Operation	4/21/2016	2
Gene	120 E	Paul Hagen	Basic Swimming Pool Operation	4/21/2016	2
Gene	120 F	Kelly Bechstein	Basic Swimming Pool Operation	4/21/2016	2
Gene	120 G	Lana Glorie	Basic Swimming Pool Operation	4/21/2016	2
Gene	121	Adam Howard	Environmental Health Concepts in Public Health	4/24/2016	18
Gene	122	Adam Howard	Statistical Methods for the Health Sciences	4/27/2016	18
Gene	123	Edwin Barth	Legionella	1/19/2016	1.5
Gene	124	Helen Hayes	Industrial Pretreatment Coordinators Workshop	4/13/2016	2.75
Gene	125	Christine Stelzer	Principles of Epidemiology in Public Health	5/3/2016	12
Gene	126	Dateesha Cavin	Wellness in the Workplace	10/11/2015	1
Gene	127	Lynn Sowers	Know the Law	3/31/2016	5.75
Gene	128 A	Marie Lammers	2016 CTI Landfill Symposium	3/22/2016	6
Gene	128 B	Michelle Ackenhausen	2016 CTI Landfill Symposium	3/22/2016	6
Gene	129	Rebecca Hysing	Disaster Victim Information Center Operations Full Training	3/16/2016	13
Gene	130	Robert Little	SE Ohio AWWA Section Meeting	4/21/2016	4.75
Gene	131	Jodi Vaughn	Designing & Developing Stormwater Practices in Northwest Ohio	4/14/2016	5
Gene	132	Kyle Idahosa	2016 Public Policy Institute: Social Determinants & Policy	4/13/2016	3.75
Gene	133 A	Richard Dezsi	ICS 400: Advanced ICS	4/20/2016	18
Gene	133 B	Tara Cioffi	ICS 400: Advanced ICS	4/20/2016	14
Gene	133 C	Laura Fauss	ICS 400: Advanced ICS	4/20/2016	14
Gene	133 D	Paula Cope	ICS 400: Advanced ICS	4/20/2016	14
Gene	133 E	Wesley Vins	ICS 400: Advanced ICS	4/20/2016	14
Gene	134 A	Richard Dezsi	ICS 300: Intermediate ICS for Expanding Resources	4/20/2016	18
Gene	134 B	Tara Cioffi	ICS 300: Intermediate ICS for Expanding Resources	4/20/2016	18
Gene	134 C	Laura Fauss	ICS 300: Intermediate ICS for Expanding Resources	4/20/2016	18
Gene	134 D	Paula Cope	ICS 300: Intermediate ICS for Expanding Resources	4/20/2016	18
Gene	134 E	Wesley Vins	ICS 300: Intermediate ICS for Expanding Resources	4/20/2016	18

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Gene	134 F	Dantan Hutton	ICS 300: Intermediate ICS for Expanding Resources	4/20/2016	18
Gene	134 G	Ryan Tekac	ICS 300: Intermediate ICS for Expanding Resources	4/20/2016	18
Brian	135	Matthew Fout	FSPCA Lead Instructor Training	1/28/2016	18
Brian	136 A	Aixa Bakuhn	2016 Lead & Healthy Homes Conference	5/5/2016	14.5
Brian	136 B	Renee Dell	2016 Lead & Healthy Homes Conference	5/5/2016	14.5
Brian	137	Allisyn Leppla	2016 National Rx Abuse & Heroin Summit	3/30/2016	10.75
Brian	138	Allisyn Leppla	ASAP 2016 Drug Summit & From Addition to Recovery	5/6/2016	4.75
Brian	139	Alan Ruffell	Designing & Developing Stormwater Practices in Northwest Ohio	4/14/2016	5.5
Brian	140	Kristy Boyles	ICS 300: Intermediate ICS for Expanding Resources	4/20/2016	18
Brian	141	Kristy Boyles	ICS 400: Advanced ICS	4/21/2016	14
Brian	142	Donald Mers	2016 Biennial Meeting Conference for Food Protection	4/20/2016	18
Brian	143 A	Tracy Buchanan	Communicating Professionally: Session 1 - Target the Reader	3/14/2016	2.5
Brian	143 B	Michael Harris	Communicating Professionally: Session 1 - Target the Reader	3/14/2016	2.5
Brian	143 C	Jill Olberding	Communicating Professionally: Session 1 - Target the Reader	3/14/2016	2.5
Brian	144 A	Michelle Ackenhausen	Communicating Professionally: Session 1 - Build & Maintain Your Credibility	3/23/2016	2.5
Brian	144 B	Russell Brown	Communicating Professionally: Session 1 - Build & Maintain Your Credibility	3/23/2016	2.5
Brian	144 C	Tracy Buchanan	Communicating Professionally: Session 1 - Build & Maintain Your Credibility	3/23/2016	2.5
Brian	144 D	Toni Carmichael	Communicating Professionally: Session 1 - Build & Maintain Your Credibility	3/23/2016	2.5
Brian	144 E	Michael Harris	Communicating Professionally: Session 1 - Build & Maintain Your Credibility	3/23/2016	2.5
Brian	144 F	Mike Joseph	Communicating Professionally: Session 1 - Build & Maintain Your Credibility	3/23/2016	2.5

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Brian	144 G	Marie Lammers	Communicating Professionally: Session 1 - Build & Maintain Your Credibility	3/23/2016	2.5
Brian	144 H	Jill Olberding	Communicating Professionally: Session 1 - Build & Maintain Your Credibility	3/23/2016	2.5
Brian	145	Mike Reiser	Change Management: Session 8 of DEAL	4/27/2016	5.5
Brian	146	David Fetchko	Flint & Lead: The Water Public Health Connection	3/16/2016	1.5
Tracy	147	Bradley Johnson	PAD 511: Budgeting Techniques & Applications	5/4/2016	18
Tracy	148	John Paulian	Know the Law	3/31/2016	5
Tracy	149	Nathan Ralph	ICS 300: Intermediate ICS for Expanding Resources	9/23/2015	18
Tracy	150	Andrew Gedeon	Preparedness Summit 2016	4/21/2016	18
Tracy	151	Michael Hesson	Scrap Tire Management Summit	3/24/2016	5
Tracy	152	Ryan Towns	Bloodborne Pathogens	5/3/2016	3
Tracy	153	Gary Silverman	NC Breathe Conference	4/8/2016	3.75
Tracy	154	Gary Silverman	Working Together to Address Lead Exposure in Our Communities	4/26/2016	1
Tracy	155	Gary Silverman	Stress, Chemical & Non-chemical Exposures	4/13/2016	1.5
Tracy	156	Rick Miller	Lead Abatement for Risk Assessor & Inspector Refresher Course	3/28/2016	7.5
Tracy	157	Mark Needham	Asbestos Project Designer Refresher	3/10/2016	5.75

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Reviewer	Course Number	Agency	Contact	Course Title	Date	Hours
Tracy	16-275	Southeast Ohio Sanitarians' Association	Wendy Hannah	A Healthcare Preparedness Education Event 2016	5/25/2016	6.5
Tracy	16-276	Cuyahoga County Board of Health	Gerry Scott	Certified Pool/Spa Operator Class	5/13/2016	13.25
Tracy	16-277	Cuyahoga County Board of Health	Gerry Scott	Basic Pool Operator Class	5/19/2016	2.75
Tracy	16-278	Clarke Mosquito Control	Brian Deenihan	2016 Clarke Public Health Mosquito Control Workshop	Various	3.25
Tracy	16-279	Public Health Dayton Montgomery County	Jennifer Wentzel	Communication Skill	Various	2.75
Tracy	16-280	Public Health Dayton Montgomery County	Jennifer Wentzel	Unconscious Bias	Various	2.75
Tracy	16-281	Cuyahoga County Board of Health	Suzanne Krippel	2016 Greater Cleveland Trails & Greenways Conference	6/2/2016	5.5
Tracy	16-282	Summit County Public Health	Dawn Meyers	Clearing the Air: Demystifying Air Quality Inspections	5/5/2016	1
Tracy	16-283	Summit County Public Health	Dawn Meyers	Managing Retail Food Safety at Special Events	5/4/2016	12.25
Tracy	16-284	Ohio Department of Health	c/o Chris Shope	2016 Educational Meeting for STS Contractors	4/6/2016	3
Tracy	16-285	Food, Agricultural & Biological Engineering	Karen Mancl	Green & Sustainable Wastewater Treatment Leach Field Systems	12/8/2016	6
Tracy	16-286	Southeast Ohio Sanitarians' Association	Wendy Hannah	Hot Tub/Spa Safety Workshop	6/2/2016	2
Tracy	16-287	Franklin County Public Health	Garrett Guillozet	NEHA REHS Exam Test Preparation Course	5/19/2016	20.5
Tracy	16-288	Columbus Public Health	Carrie Kamm	ServSafe	Various	13
Tracy	16-289	Columbus Public Health	Carrie Kamm	Level 1 Person in Charge	Various	3.5
Tracy	16-290	Columbus Public Health	Luke Jacobs	Zoonotic Salmonellosis: Understanding Non-foodborne Routes of Transmission	5/25/2016	1
Tracy	16-291	BWC Division of Safety & Hygiene	Connie Snider	Bloodborne Pathogens	Various	3
Brian	16-292	BWC Division of Safety & Hygiene	Connie Snider	Accident Analysis	Various	6
Brian	16-293	Nutrition Plus, Inc.	June Davies	ServSafe The Serving Safe Food Certification Course	Various	15.25
Brian	16-294	Mahoning County District Board of Health	John Hallas	Foodborne Illness: Microbes, Investigation & Reporting	8/4/2016	5
Brian	16-295	Columbus Public Health	Phillip Bouton	Healthy Homes Spring Forum	6/9/2016	5.5
Brian	16-296	Warren County Combined Health District	Chris Balster	2016 Spring Educational Conference 2016	6/8/2016	6
Brian	16-297	Active Wastewater Systems LLC	John Graves	Annual Drip Dispersal for Installers, Service Providers, Designers & Regulators	6/9/2016	6
Brian	16-298	ODA Food Safety Division	Crystal Stevenson	Process Review Inspection Report Writing	Various	2.5
Brian	16-299	ODA Food Safety Division	Crystal Stevenson	RFE Inspection Report Writing	Various	2.5
Brian	16-300	ODA Food Safety Division	Crystal Stevenson	Standard Report Writing Workshop	Various	4
Brian	16-301	ODA Food Safety Division	Crystal Stevenson	Variance Program	Various	2.5

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Brian	16-302	ODA Food Safety Division	Crystal Stevenson	Acidification of White Rice	Various	2
Brian	16-303	ODA Food Safety Division	Crystal Stevenson	Basic Labeling - Everything You Ever Wanted to Know	Various	4.75
Brian	16-304	ODA Food Safety Division	Crystal Stevenson	Basic Labeling : Short Version	Various	2.5
Brian	16-305	ODA Food Safety Division	Crystal Stevenson	Chapter 901:3-4 Ohio Administrative Code for New Food Program Sanitarian	Various	2.75
Brian	16-306	ODA Food Safety Division	Crystal Stevenson	Ethnic Retail Food Establishment Presentation	Various	2.5
Brian	16-307	ODA Food Safety Division	Crystal Stevenson	Principles of HACCP: A Hands On Introduction	Various	3.5
Brian	16-308	ODA Food Safety Division	Crystal Stevenson	Meat Nomenclature: Stable to Table	Various	3
Brian	16-309	ODA Food Safety Division	Crystal Stevenson	Micro brewing	Various	2
Gene	16-310	ODA Food Safety Division	Crystal Stevenson	Ohio Exempt Farm Market Program	Various	2
Gene	16-311	ODA Food Safety Division	Crystal Stevenson	Ohio Exempt Farmers Market	Various	3
Gene	16-312	ODA Food Safety Division	Crystal Stevenson	Ohio Exempt Farm Product Auctions, Festivals & Celebrations Program	Various	1.5
Gene	16-313	ODA Food Safety Division	Crystal Stevenson	Principles of HACCP: An Introduction ODA/ODH	Various	2
Gene	16-314	ODA Food Safety Division	Crystal Stevenson	Cottage Food Rules	Various	1
Gene	16-315	ODA Food Safety Division	Crystal Stevenson	Chapter 8.4 Special Requirements	Various	1
Gene	16-316	ODA Food Safety Division	Crystal Stevenson	Micro brewing: Short Version	Various	1
Gene	16-317	BWC Division of Safety & Hygiene	Connie Snider	Violence in the Workplace	Various	3
Gene	16-318	BWC Division of Safety & Hygiene	Connie Snider	Safety Series for Industry Module 4	Various	3
Gene	16-319	BWC Division of Safety & Hygiene	Connie Snider	Safety Series for Industry Module 3	Various	3
Gene	16-320	BWC Division of Safety & Hygiene	Connie Snider	Safety Fundamentals Examination Review	Various	18
Gene	16-321	BWC Division of Safety & Hygiene	Connie Snider	Respirators: Do We Need Them?	Various	3
Gene	16-322	BWC Division of Safety & Hygiene	Connie Snider	Restaurant & Food Service Safety Workshop	Various	3
Gene	16-323	BWC Division of Safety & Hygiene	Connie Snider	Safety & Ergonomics for Extended Care Facilities	Various	6
Gene	16-324	Summit County Public Health	Dawn Meyers	Asbestos Program	6/2/2016	1
Gene	16-325	Toledo Lucas County Health Department	Jennifer Gottschalk	2016 Zika Forum: State of the Science & Public Health Safety	5/24/2016	2
Gene	16-326	BWC Division of Safety & Hygiene	Connie Snider	Accident Analysis	Various	3
Gene	16-327	BWC Division of Safety & Hygiene	Connie Snider	Safety Series for Industry Module 5	Various	3
Tracy	16-328	BWC Division of Safety & Hygiene	Connie Snider	Certified Safety Professional (CSP) Examination Review	Various	18
Tracy	16-329	BWC Division of Safety & Hygiene	Connie Snider	Basic Industry Safety (OSHA 30)	Various	30
Tracy	16-330	BWC Division of Safety & Hygiene	Capri Pointer	Health Hazard Awareness & Toxicology Basics	Various	6
Tracy	16-331	BWC Division of Safety & Hygiene	Capri Pointer	Hazardous Waste Operations & Emergency Response Technician	Various	21

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Tracy	16-332	BWC Division of Safety & Hygiene	Capri Pointer	Hazardous Waste Operations & Emergency Response Refresher	Various	7
Tracy	16-333	BWC Division of Safety & Hygiene	Capri Pointer	Hazardous Waste Operations & Emergency Response Awareness	Various	3
Tracy	16-334	BWC Division of Safety & Hygiene	Capri Pointer	Hazardous Waste Operations & Emergency Response Operations	Various	14
Tracy	16-335	BWC Division of Safety & Hygiene	Capri Pointer	Hazard Communication Half Day Workshop	Various	3
Tracy	16-336	BWC Division of Safety & Hygiene	Capri Pointer	Hazard Communication	Various	6
Tracy	16-337	BWC Division of Safety & Hygiene	Capri Pointer	Personal Protective Equipment Selection Criteria	Various	3
Tracy	16-338	BWC Division of Safety & Hygiene	Capri Pointer	OSHA Half Day Record Keeping Workshop Half Day	Various	3
Tracy	16-339	BWC Division of Safety & Hygiene	Capri Pointer	OSHA Record Keeping Workshop	Various	6
Tracy	16-340	BWC Division of Safety & Hygiene	Connie Snider	Basic Construction Safety (OSHA 30)	Various	27
Tracy	16-341	BWC Division of Safety & Hygiene	Capri Pointer	Nonviolent Strategies for Caregivers & Other Staff Working Directly with the Public	Various	6
Tracy	16-342	BWC Division of Safety & Hygiene	Capri Pointer	Noise & Hearing Conservation Half Day Workshop	Various	3
Tracy	16-343	BWC Division of Safety & Hygiene	Capri Pointer	Noise & Hearing Conservation	Various	6
Tracy	16-344	BWC Division of Safety & Hygiene	Capri Pointer	Measuring Safety Performance	Various	6
Tracy	16-345	BWC Division of Safety & Hygiene	Capri Pointer	Laboratory Safety	Various	6
Brian	16-346	BWC Division of Safety & Hygiene	Capri Pointer	Job Safety Analysis	Various	3
Brian	16-347	BWC Division of Safety & Hygiene	Capri Pointer	Industry Safety Elements (OSHA 10)	Various	10
Brian	16-348	BWC Division of Safety & Hygiene	Capri Pointer	Industrial Hygiene Calibration & Sampling	Various	6
Brian	16-349	BWC Division of Safety & Hygiene	Capri Pointer	Advanced Lockout/Tagout	Various	6
Brian	16-350	OSU Center for Public Health Practice	Thomas Albani	Summer Program in Population Health: Applied Logistic Regression	6/24/2016	16.5
Brian	16-351	OSU Center for Public Health Practice	Thomas Albani	Summer Program in Population Health: Community Health Assessment	6/22/2016	15.5
Brian	16-352	OSU Center for Public Health Practice	Thomas Albani	Summer Program in Population Health: CQI Bootcamp	6/24/2016	16.5
Brian	16-353	OSU Center for Public Health Practice	Thomas Albani	Summer Program in Population Health: Data Collection Instrument Design & Analysis	6/24/2016	16.5
Brian	16-354	OSU Center for Public Health Practice	Thomas Albani	Summer Program in Population Health: Field Epidemiology	6/24/2016	16.5
Brian	16-355	OSU Center for Public Health Practice	Thomas Albani	Summer Program in Population Health: Infant Mortality in Ohio - The Problem & Evidence Based Solutions	6/24/2016	16.5
Brian	16-356	OSU Center for Public Health Practice	Thomas Albani	Summer Program in Population Health: Introduction to Biostatistics for Practitioners	6/24/2016	16.5
Brian	16-357	OSU Center for Public Health Practice	Thomas Albani	Summer Program in Population Health: Scientific Writing for Public Health Professionals	6/24/2016	15.5
Brian	16-358	OSU Center for Public Health Practice	Thomas Albani	Summer Program in Population Health: Social Epidemiology	6/24/2016	16.5

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Brian	16-359	OSU Center for Public Health Practice	Thomas Albani	Summer Program in Population Health: Survey Analysis & Research Methods	6/24/2016	16.5
Brian	16-360	OSU Center for Public Health Practice	Thomas Albani	Summer Program in Population Health: Tobacco Control Methods for Local Public Health	6/24/2016	16.5
Brian	16-361	Tri-State Environmental Health Association	c/o Rich Lucas	June 2016 Tri-State Environmental Health Association Meeting	6/15/2016	4
Tracy	16-362	BWC Division of Safety & Hygiene	Connie Snider	Confined Space Assessment & Work	Various	6
Tracy	16-363	BWC Division of Safety & Hygiene	Capri Pointer	Fall Hazards In Construction & Maintenance	Various	12
Tracy	13-364	BWC Division of Safety & Hygiene	Capri Pointer	Scaffolding Safety	Various	12

Youst-Giannini, Stephanie

From: Youst-Giannini, Stephanie
Sent: Wednesday, July 13, 2016 11:27 AM
To: 'Eilenfeld, Jessica - FSIS'
Subject: RE: SIT information
Attachments: Advancement Job Duty Supervision 2-2016.pdf

Jessica –

First, let me apologize. I still have your email in my inbox, I have just neglected to respond in a timely manner.

With regard to your question, the Board reviewed your letter and job description. From the items you submitted it appears that the experience you would be earning at ODA would likely be applicable toward the hours/time needed for advancement from SIT to RS. However, you would have to obtain a supervising RS. That supervisor can either be someone within ODA or an outside RS as long as they fulfill the requirements of rule 4736-15-02 of the Ohio Administrative Code.

When you are ready to apply for advancement, you will then need to have your supervising sanitarians for the time(s) you were employed in environment health complete the attached form so that you can upload it as part of your application.

If you have not obtained the full time work experience and need to renew your SIT, you can do so via the licensure portal and then apply for advancement when you are ready.

If you have any questions or need additional assistance, do not hesitate to contact me. Have a good day!

Steph

Stephanie Youst
Executive Secretary
Sanitarian Registration Board
77 South High Street, 16th Floor
Columbus, Ohio 43215-6108
(614) 466-1772 (Phone)
(614) 644-8112 (Fax)
<http://sanitarian.ohio.gov>

Please complete the Board's customer satisfaction survey at: <http://www.surveymonkey.com/s/SQYRRN9>

From: Eilenfeld, Jessica - FSIS [mailto:Jessica.Eilenfeld@fsis.usda.gov]
Sent: Tuesday, July 12, 2016 11:22 AM
To: Youst-Giannini, Stephanie <Stephanie.Youst@san.ohio.gov>
Subject: SIT information

Stephanie,

I previously worked for the Wayne County Health Department and have started working for the ODA Division of Meat Inspection. Before I left the LHD I had inquired about my SIT status, and what I could do to continue to earn my RS. The last correspondence we had indicated that you would raise the questions before the board at the May 18th meeting and I have not heard any news since. I was wondering what answer I received? My SIT expires 7/31 and I would like to renew it, but if it isn't possible for me to make the transition from SIT to RS at my current occupation I don't want to waste my money.

Thanks,

Jessica Eilenfeld

Meat Inspector Trainee

District 02

Division of Meat Inspection

Ohio Department of Agriculture

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Youst-Giannini, Stephanie

From: Youst-Giannini, Stephanie
Sent: Thursday, April 28, 2016 9:29 AM
To: 'Jessica Eilenfeld'
Subject: RE: SIT question

Jessica –

I am not sure how to answer this and don't want to give you incorrect information so I will forward this to the Board for a response at the May 18 meeting. If you have any other questions in the interim just let me know.

Steph

Stephanie Youst
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From: Jessica Eilenfeld [mailto:jeilenfeld@wayne-health.org]
Sent: Thursday, April 28, 2016 8:48 AM
To: Youst-Giannini, Stephanie <Stephanie.Youst@san.ohio.gov>
Subject: RE: SIT question

Stephanie,

Thank you for your helpfulness. I do have a couple more questions. I will be asking if there is an RS in the Meat Inspection Division, however, if there is not does my RS Supervisor have to be from the same division?

And my other question is in regard to the experience. I have read the SIT experience information you sent to me previously. It is my understanding that only some aspects of the duties of a Meat Inspector would fulfill the requirements. i.e. They sample product, but it is a random basis generated by the central office – so that would not be considered appropriate experience? Much of the job duties include collecting data and observations regarding the wholesomeness of meat products, and if necessary enforcing corrective actions and documenting noncompliance. Would that type of duty qualify for experience earned?

Jessica Eilenfeld

From: Stephanie.Youst@san.ohio.gov [mailto:Stephanie.Youst@san.ohio.gov]
Sent: Friday, April 22, 2016 2:17 PM

To: Jessica Eilenfeld
Subject: RE: SIT question

Jessica –

I know there are plenty of RS's at ODA; however, I am not sure if they are in Meat Inspection or other divisions. I would recommend that once you make the transition, to talk to your supervisor and see if there is an RS who would be available and willing to supervise you while you are finishing up obtaining your experience. I have also attached the SIT experience requirements from our policy/procedure manual. This may help you a little more with regard to what will and will not apply to the experience needed to advance from SIT to RS.

If you have any questions or need additional assistance, do not hesitate to contact me. Have a good day!

Steph

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From: Jessica Eilenfeld [<mailto:jeilenfeld@wayne-health.org>]
Sent: Friday, April 22, 2016 9:06 AM
To: Youst-Giannini, Stephanie <Stephanie.Youst@san.ohio.gov>
Subject: SIT question

Stephanie,

I have been with the Wayne County Health department for 8 months working as an SIT. However, I will be transferring to ODA – Division of Meat Inspection in May. I would like to continue my SIT status and would like to continue to gain an RS. I don't believe I'll have a Supervisor in that division that has an RS. Is it possible for me to be gaining experience while working in that division, so I may continue to obtain an RS? I have read the code section pertaining to this but I am unclear how it applies to my situation.

Thank you for your guidance,

Jessica Eilenfeld

Sanitarian In Training
Wayne County Health Department
Environmental Health Division
330-264-2426 Ext. 206
Fax: 330-262-8433
jeilenfeld@wayne-health.org



Meat Inspector Trainee

Class Code:
21230
Pay Range: 28

STATE OF OHIO
Revision Date: Aug 29, 2010

SALARY RANGE

\$16.76 - \$20.38 Hourly
\$2,905.07 - \$3,532.53 Monthly
\$34,860.80 - \$42,390.40 Annually

Bargaining Unit: C07 - AFSCME

MAJOR AGENCIES:
Ohio Department of Agriculture Only

SERIES PURPOSE:

The purpose of the meat inspector occupation is to protect & assure meat & poultry product wholesomeness by inspecting facilities & operations therein for sanitary & safe slaughtering & processing of meat, poultry &/or exotic.

At the developmental level, incumbents receive training & mentoring from higher level meat inspectors to learn procedures & to assist in conducting inspections of registered meat plants, commercial slaughtering plants & custom-exempt red meat, poultry &/or exotic processing facilities.

At the full performance level, incumbents conduct inspections of registered meat plants, private, commercial slaughtering plants & custom-exempt red meat, poultry &/or exotic processing facilities.

At the supervisory level, incumbents serve as supervisors over meat inspectors.

At the administrative level, incumbents administer overall comprehensive statewide meat & poultry inspection program & supervise veterinarian administrators, veterinarians & meat inspection supervisors.

GLOSSARY:

BSE = Bovine Spongiform Encephalopathy or Mad Cow Disease
HACCP = Hazard Analysis & Critical Control Points
SSOP = Sanitary Standard Operation Procedure

This classification is to be utilized at the Ohio Department of Agriculture only.

CLASS CONCEPT:

The developmental level class works under close supervision & requires some knowledge of animal science & state & federal laws, rules & regulations regarding meat, poultry &/or exotic inspection in order to receive training & mentoring from higher level meat inspectors to learn procedures & to assist in conducting inspections of registered meat plants, private, commercial slaughtering plants & custom-exempt red meat, poultry &/or exotic processing facilities & receive training & learn to perform ante mortem & postmortem inspections of

carcasses & enforce state & federal sanitation, humane slaughter, meat processing & food safety policies, procedures & guidelines.

JOB DUTIES IN ORDER OF IMPORTANCE:

(These duties are illustrative only. Incumbents may perform some or all of these duties or other job-related duties as assigned.)

Receives training & mentoring from higher level meat inspector to learn procedures & assists in conducting inspections of registered meat plants, private, commercial slaughtering plants & custom-exempt red meat, poultry &/or exotic processing facilities & learns to perform ante mortem & postmortem inspections of carcasses & enforces state & federal sanitation, humane slaughter, meat processing & food safety policies, procedures & guidelines (e.g., conducts visual examination of live animal &/or poultry prior to slaughter while looking for abnormalities in appearance & behavior such as sick, hurt &/or non-ambulatory; determines if veterinarian is required for disposition of unhealthy animal & records results; makes determination of age of beef through dentition of cattle 30 months or older for removal of backbone due to concerns of BSE; visual, tactile &/or incisory inspection of head, lymph nodes, viscera, carcass & offal to include liver, heart, brain & tripe to determine no pathological conditions are present & carcass is in clean & wholesome condition; inspects all equipment, facilities & personnel to ensure acceptable sanitation levels & prohibiting use of unsanitary, unsafe &/or unapproved equipment & facilities until cleaned &/or corrected to include pest & rodent control, use of pesticides & chemicals, condition & use of potable water supply & waste & sewage systems; halts production for poor sanitation &/or non-compliance) assures proper disposition of unfit & condemned products, enforces sanitary dressing procedures & controls carcass branding.

Learns labeling requirements & assists in reviewing labeling materials (e.g., proposed labels, product formulations, production procedures, quality control programs, quality control records & laboratory reports) for state inspected meat, poultry &/or exotic establishments; checks formulations of all types of meat food products for compliance with federal regulations & periodically monitors inspection procedures for maintaining compliance in production of meat products; learns sampling procedures & assists higher level inspector with submission of product samples of products for analysis for microbiological adulterants & for consumer protection; requires meat slaughter plants to conduct microbial testing for generic E. coli to verify adequacy of process controls for prevention of fecal contamination.

Assists higher level inspector with re-inspection of meat &/or poultry products & non-meat ingredients for such products intended for further processing or distribution; inspects critical control points in preparation & handling of meat, poultry &/or exotic products (i.e., monitors formulation, temperature controls, preparation procedures, use of restricted ingredients & sampling) to ensure compliance.

Prepares, maintains & monitors required records, reports & formulations concerning product condemnations & retentions; controls all sanitation discrepancies & corrective actions; assists in industry quality control programs; analyzes report deviations, travel & pay reports & submits such through proper channels; attends training courses (e.g., Incidence Command Systems training courses; Inspection System Procedures including Homeland Security); refresher seminars & on-job training activities.

MAJOR WORKER CHARACTERISTICS:

Knowledge of Agribusiness, Food Business Management or Animal Science (e.g., Meat Animal & Carcass Evaluation; Fundamentals of Poultry Science; Principles of Animal Systems Physiology; Meat Science; Global Food & Agriculture; Meat Processing); HACCP methodology*; SSOP*; Humane Slaughter Act*; Agricultural Bioterrorism Protection Act* (Possession, Use & Transfer of Biological Agents & Toxins); symptoms of animal disease (e.g., Bovine Spongiform Encephalopathy/BSE/Mad Cow Disease; Salmonella, Escherichia coli/E. coli or other bacteria that live in lower intestines of warm-blooded animals)*; safety

practices (e.g., Occupational Standards & Hazards Act); public relations; meat, poultry &/or exotic slaughter & processing equipment; state & federal laws, rules & regulations regarding meat, poultry &/or exotic inspections*; fractions & percentages. Skill in use of knives, steel & hook to slice lymph nodes & inspect viscera; use of fingers to palpate lymph nodes; operation of laptop &/or personal computer & related software to create, edit/revise, store & purge documents.* Ability to differentiate between a variety of color hues; define problems, collect data, establish facts & draw valid conclusions; prepare meaningful, concise & accurate reports; use proper research methods in gathering data; use sense of smell to detect poor sanitation &/or contaminated product; lift up to 40 pounds; bend &/or stoop freely; reach above shoulder height; position &/or reposition carcasses for examination; demonstrate dexterity to climb ladders or steps &/or work from catwalk or power lift platform; use hands & fingers to inspect, incise & palpate animal lymph nodes using sharp knife; resolve complaints from irate/hostile meat facility management in cases of repetitive non-compliance or in delivery of unpleasant news such as carcass &/or live animal retention/condemnation/processing delays.

(*)Developed after employment.

MINIMUM CLASS QUALIFICATIONS FOR EMPLOYMENT:

1 course in animal science, agribusiness &/or food business management or 3 mos. exp. in livestock industry/industrial meat & poultry processing; 1 course in biological sciences or chemistry; must be able to provide own transportation.

-Or equivalent of Minimum Class Qualifications for Employment noted above.

Probationary period is 365 days.

TRAINING AND DEVELOPMENT REQUIRED TO REMAIN IN THE CLASSIFICATION AFTER EMPLOYMENT:

Not applicable.

UNUSUAL WORKING CONDITIONS:

Work flexible hours &/or shifts; work weekends; exposure to extreme temperature changes; work on surface slippery from fluids & grease; required to climb steps or ladders & work from catwalks or power lift platforms; exposed to possible injury from animals in holding pen; must stand for extended periods of time in confined work area; work around machinery with moving parts while standing on raised expanded metal platform; exposure to inmates with knives &/or sharp weapons; exposed to animal waste &/or infectious disease, loud equipment such as splitting saw, captive bolt pistol &/or firearms.