

## Utilizing Consortia to Bridge Gaps in Biosafety Outreach

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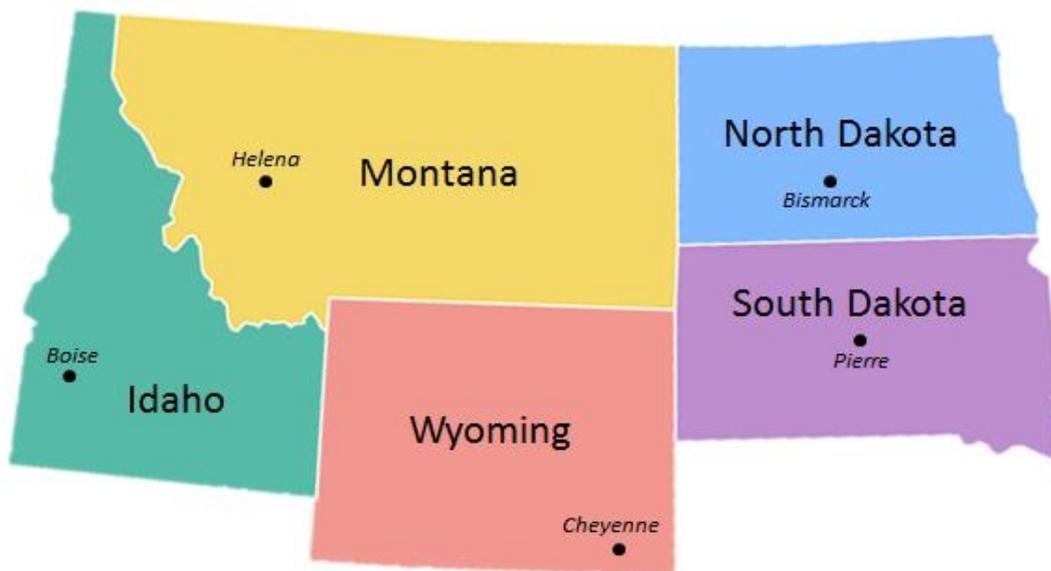
South Dakota Public Health Laboratory

**Michael Stevenson, Ph.D.**

Idaho Bureau of Laboratories

## Utilizing Consortia to Bridge Gaps in Biosafety Outreach

This presentation will discuss how biosafety officials (BSOs) from the Northern Plains Consortium (NPC) state public health laboratories (SPHLs) shared resources, either electronically, via conference calls, or with in-person meetings. The value of having a regional network with common goals also will be discussed.

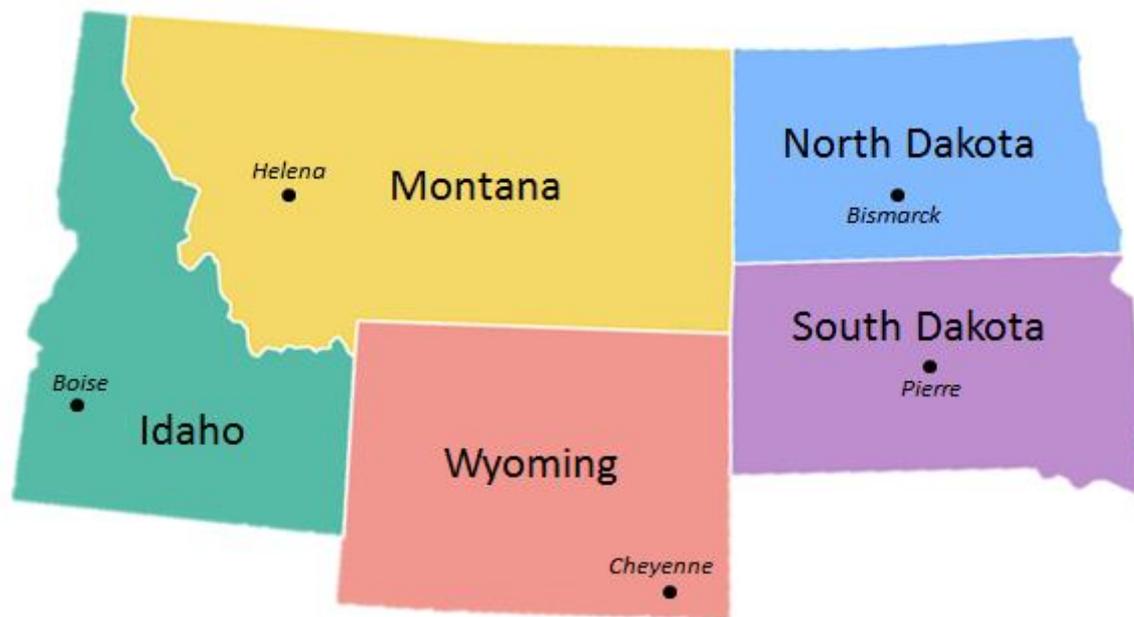


## Presentation Outline

- NPC Background
- NPC BSO Program
- In-Person Meetings
- Sharing BSO Resources
- Utilizing APHL's SharePoint site

## NPC Background

Michael Stevenson, Ph.D., Idaho Bureau of Laboratories



## It all began in 2006...

- 3-year CDC grant to “integrate public health testing in clinical laboratories”
- Organized to develop a regional laboratory system, and to coordinate lab system improvement activities
- Group of professionals representing public health laboratories and Communicable Disease/Epi from MT, ND, SD, and WY
- Idaho joined in 2013.

## Shared Demographics

Ranking by U.S. states

Category	ID	MT	ND	SD	WY
Resident Population <sup>1</sup>	39	44	47	46	50
Total area <sup>2</sup>	14	4	19	17	10
% American Indian Population <sup>3</sup>	11	5	6	3	8
Gross State Product <sup>4</sup>	42	48	45	47	49

<sup>1</sup> 2015 *Population Estimates*, United States Census Bureau

<sup>2</sup> 2010 United States Census Bureau

<sup>3</sup> 2010 United States Census Bureau

<sup>4</sup> “Gross Domestic Product by State – 2016”, US Department of Commerce, Bureau of Economic Analysis, May 6, 2017

## Shared Challenges

- Sparsely populated areas, with several larger cities
- Service a large geographical area
- Only one public health laboratory in each state
- Public health laboratory staff – few in number
- Limited budgets

## Activities

- Biosafety Officials Program
- Memorandum of Understanding (MOU)
  - To formally acknowledge the cooperation, efficiency, and resource sharing between the five NPC SPHLs
- Shared Testing Services
  - HIV Geenius supplemental testing
  - TB NAAT testing
  - Hepatitis C RNA, genotyping
  - Blood lead testing

## Activities

- Electronic Test Orders and Results (ETOR)
  - MT and ND bi-directional ETOR
  - Investigated using APHL Informatics Messaging Services (AIMS) platform
- Workshops and Peer-to-Peer Training
  - Eagleson Institute Biosafety Workshop (MT, SD)
  - Whole Genome Sequencing Workshop and Webinar Series (WY)
  - HIV Sequence Analysis Workshop (ID)
  - Clinical Biological Preservation Workshop (ID)

## Activities

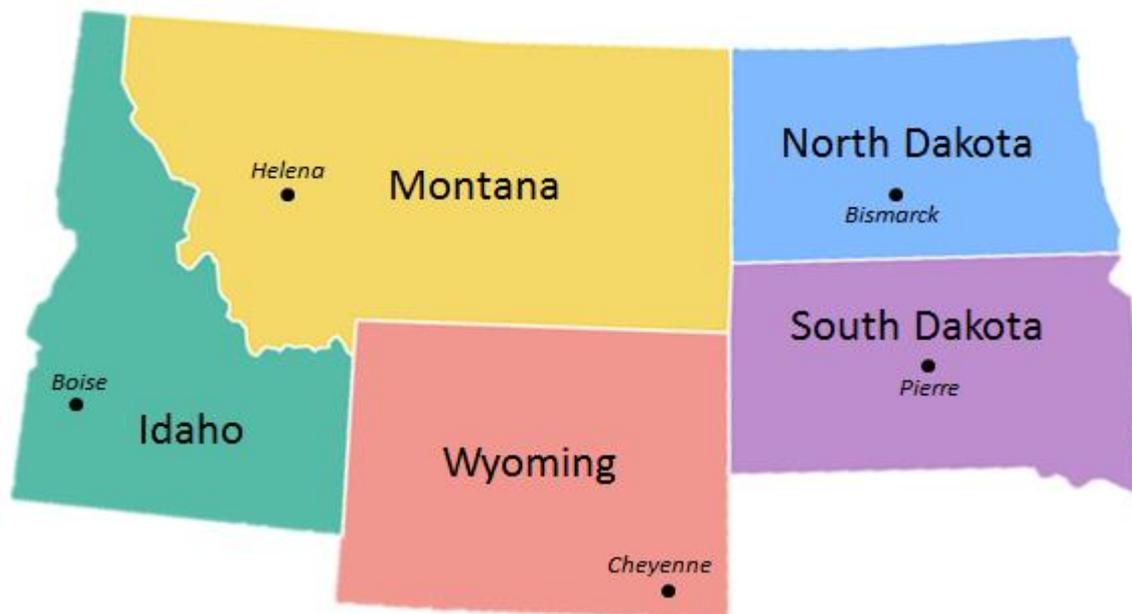
- Regional Emerging Leaders Program (ELP)
  - Addresses succession planning and workforce development
  - Activities
    - Team Management Profile to identify professional character strengths
    - Webinars: Grant Writing, Laboratorians and Legislators, Public Health Laboratory Competencies
    - Monthly conference calls with in-person meetings
    - Group project and book study
  - Cohort 1 in 2015 – 8 participants
  - Cohort 2 in 2017 – 6 participants



NPC ELP Cohort 1

## NPC BSO Program

Crystal Fortune, BSCLS, Montana Public Health Laboratory



## Meet the BSOs

- Crystal Fortune, MT PHL, Laboratory Training Specialist and Biosafety Officer
- Tracy Hoke, ND PHL, BT Coordinator and Biosafety Officer
- Whitney Lutkemeier, SDPHL, State Training Coordinator and Biosafety Officer
- Michael Stevenson, IBL, Deputy Laboratory Director and Lab Safety Officer
  - Cassie Dayan, Health & Safety Specialist, part-time



## NPC BSO Program History

- Created in December 2015
- Formed by Susie Zanto (Montana, retired)
- Established plans on how to use Ebola grant funding
- APHL SharePoint access in February 2016
- Monthly calls facilitated by Montana
  - Flexibility in agenda and time slot as needed

## Funding

- BSO funding
- Travel
- Training and outreach
- Packaging and shipping
- Facility improvements
- ABSA membership



## Monthly Conference Calls

- Bridge call the third Tuesday of each month
- Agenda and minutes posted on APHL SharePoint site
- Topics for discussion (subject to change):
  - APHL BioSafe360
  - Hot topics from APHL or ABSA listserv
  - Sentinel laboratory outreach and training
  - Packaging and shipping training and drills
  - Grant updates

# NLTC 9

National Laboratory Training Conference

## Example Agenda/Minutes

Northern Plains Consortium Bio-Safety Meeting March 21, 2017					
Member	Present	Member	Present	Other Members	Present
Cassie Dayan (ID)	x	Debbie Gibson (MT)	x	Carrie Biskupiak (MT)	x
Michael Stevenson (ID)	x	Tracy Hoke (ND)		Angela Dusko (MT)	
Donna Jo Hosmer (MT)	x	Whitney Lutkemeier (SD)	x		
Crystal Fortune (MT)	x	Scott Goodzar (WY)			
Lana Moyer (MT)					

Agenda	Item of Discussion	Discussion	Action Items
Review Minutes	Review and approval of minutes from 1-24-17	Approve as written	Upon approval, Crystal will post on SharePoint
Available Biosafety Resources	What resources do we want to make available for sentinel lab outreach	Discuss February 22 workday in LA: South Dakota shared their biosafety survey, which revealed a lot of confusion between biosafety and IQCP risk assessments North Dakota shared information on their online BT modules and discussed what their CDC TRAIN course they will be working on. This includes their BT modules, in addition to ICS, EJA, and CST training. ID shared the binder they are using for regional workshops. This lead to discussion on risk assessments during which MT shared their risk assessment procedure and examples.	
Biosafe 360	Revelations/ Resources/ Assignments	Glo-germ vs. chocolate sauce for gross decontamination exercise. Glo-germ revealed more "exposure". Another option is Rit Dye fabric whitener. Glo-germ is available through Fisher, VWR, and Amazon.	
Hot topics from Biosafety Listserves	Anything that may be important or that the group may want to collaborate on?	Updated Select Agent regulations	
Sentinel Laboratory Outreach	Assessments, trainings provided by PHLs	Montana site visits last week in March, first week in April. We have a binder that includes risk assessment, pathogen safety data sheets, ASM flowcharts, GHS information, and courier information. We will provide a USB that includes these items and much more. We will also provide our new lab manual, posters (modified from ID select agent bench guides), and packaging and shipping materials. Idaho visited 7 sentinel labs week of March 13 <sup>th</sup> . They provide a pre- and post-test with their binders for competency purposes. They are also doing a mini-BioSafe 360 program in their state, using information from the binders, and offering prizes to participating labs. SD will be hosting Eagleson again this summer. The goal is to have 30 sentinel labs represented and to do a risk assessment with them. Whitney is also doing outreach in combination with BT, CT, and	

Northern Plains Consortium Bio-Safety Meeting March 21, 2017			
		CLIA.	
Bio-Safety Trainings (on or off-site)	Training conducted or attended	Scott's Biosafety course for the new University of Wyoming Med Tech program went great	Scott cannot attend this call but perhaps can report more details later.
Packaging and Shipping	Issues, resources	Permit for Category A	Crystal will check on the status
New Business	ELC grant	Update on sentinel labs/survey questions: There is some confusion regarding the additional guidance and subsequent addition of labs to the survey. Whitney has contacted Amy Fullman for clarification and will report when she receives it. Montana and Idaho will be using the original LRN definition of sentinel lab (MT is concentrating on these original labs and will expand over time.)  Michael asked if there will be a replacement BSO in WY  Planning for June NLTC presentation: Discussed a tentative outline. Michael asked for a copy of the proposal since he was not on the planning call. The group also discussed the possibility of going over the presentation before the meeting in Atlanta.	Crystal will send the NLTC proposal to the group and will set up a time for discussion of presentation
Old Business (discuss as new information becomes available)	Biosafety competencies  Risk Assessments	Are/how are consortium states using them?  Tools, SOPs, strategies, issues	
Parking Lot			
Next Meeting	Date and Time April 18, 2017 at 11:00 AM MST	Facilitator Crystal Fortune	Location Bridge 1: 866-398-2885, Participant Code: 8339961

## National Laboratory Training Conference

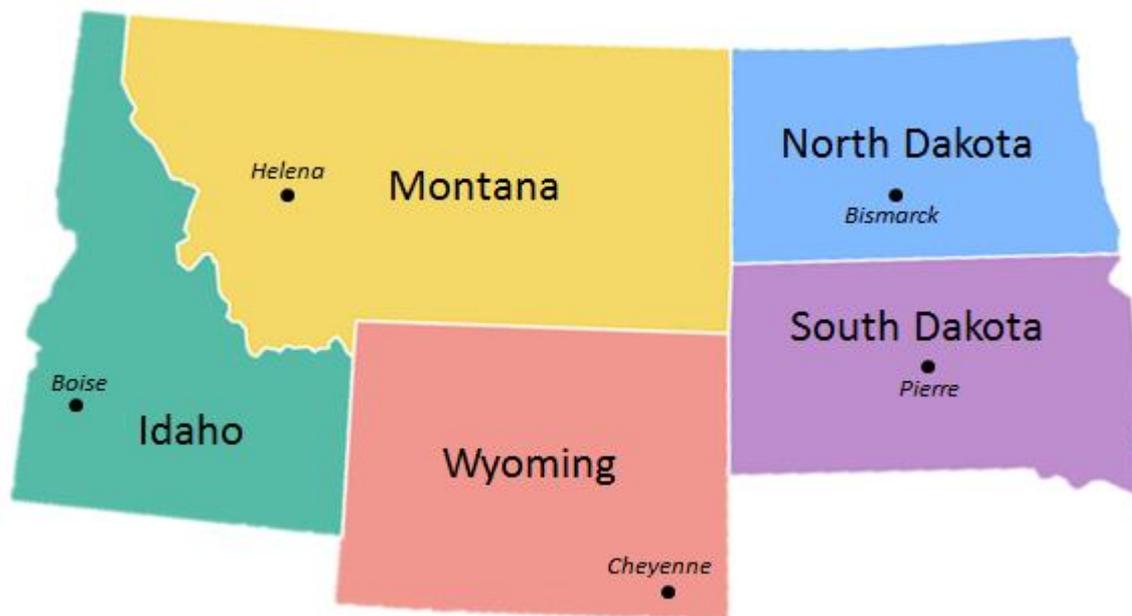
<p>Hot topics from Biosafety Listserves</p>	<p>Anything that may be important or that the group may want to collaborate on?</p>	<p>Scott talked about lab coats, how to track laundering and if the facility is using the correct detergent and the appropriate number of rinses. Idaho and South Dakota use disposable lab coats, MT is evaluating a rental/laundry company. What is the cost of disposable coats vs. laundering?</p> <p>Scott discussed the issue with Stericycle boxes—anyone who closes the box for transport by Stericycle must be certified as a shipper. Autoclaving and disposal rules vary by state.</p>
<p>Sentinel Laboratory Outreach</p>	<p>Assessments, trainings provided by PHLs</p>	<p>Two questions for sentinels-do they have a procedure for biosafety risk assessment, and have they done one?</p> <p>Idaho is planning regional workshops and plans to visit sites that cannot attend. Has also done advertising in newsletters (such as the Category A packaging drill.)</p> <p>Wyoming and Idaho have done cold calls.</p> <ul style="list-style-type: none"> <li>• Scott in WY introduces himself and if they have time to talk explains the mission and stresses that biosafety consultation is merely a customer service and not regulatory. He was also able to help a lab that had a question that arose during an inspection concerning a biosafety cabinet.</li> <li>• Idaho has found most labs to be receptive once they realize this is not regulatory, especially post-IQCP.</li> </ul>

## Evolving and as flexible as biosafety!

- Incorporate Wyoming's new biosafety officer in NPC BSO program
- Incorporate WebEx to make group projects more interactive
- Incorporate WebCam to get the feel of face-to-face meetings

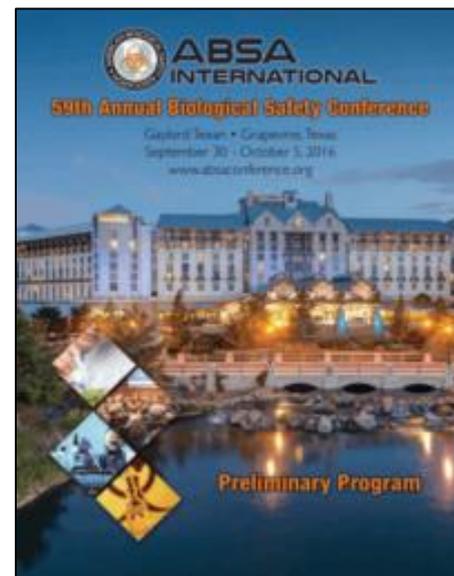
## In-Person Meetings

Tracy Hoke, MT(ASCP), North Dakota Department of Health,  
Division of Laboratory Services



## ABSA Annual Conference: Grapevine, TX, October 2016

- NPC BSO meeting one day prior to conference
- Idaho, Montana, and South Dakota attended.
- Met daily for a recap of sessions attended
- Topics of discussion:
  - Biosafety and chemical safety plans, drills and exercises, PPE, door signage, risk assessments, etc.
  - Created an agenda for visiting sentinel laboratories
  - Discussed outreach visits performed in coming months
  - Planned for a one-day meeting in LA before the APHL Regional BSO meeting



# NLTC 9



National Laboratory Training Conference

## APHL Regional BSO Conference: Los Angeles, February 2017



## One-day meeting prior to Regional BSO Conference:

### North Dakota

- Shared information on online BT modules and upcoming CDC TRAIN course, to include BT modules, ICS, EUA, and CST training

### South Dakota

- Shared biosafety survey – revealed a lot of confusion between biosafety and IQCP risk assessments

### Idaho

- Shared curriculum binder developed for regional lab safety workshops
- Discussion on risk assessment

### Montana

- Shared risk assessment SOP and examples
- Submitted outreach binder on SharePoint



Bucket List!

## APHL Annual Meeting: Providence, RI, June 2017

- Sentinel lab outreach
- Risk assessments and templates
- Future training opportunities:
  - Eagleson Institute “Biosafety and Infection Prevention” workshops, South Dakota
    - July 10, 12, and 13, 2017
  - APHL BioSafe360 Program
  - ABSA meeting, October 13-19, 2017
  - CDC Biosafety Symposium, February 2018



# NLTC 9



National Laboratory Training Conference

## NLTC 9, June 2017

- Joint presentation of the NPC BSO Program

# NLTC 9

National Laboratory Training Conference  
June 27-30, 2017 • Atlanta, GA

NATIONAL LABORATORY TRAINING NETWORK™

# NLTC 9

National Laboratory Training Conference

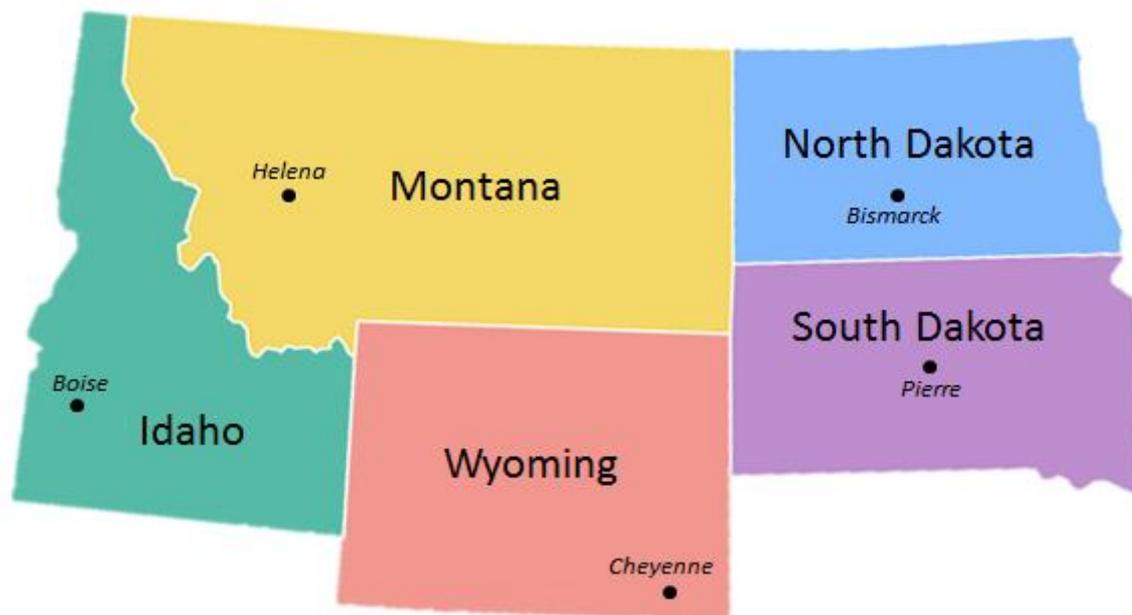
## Informal Meetings

- NPC annual meetings
- CDC Biosafety Symposium
- Eagleson Institute trainings



## Sharing BSO Resources

Whitney Lutkemeier, MS, South Dakota Public Health Laboratory



## Idaho

- BSL PPE Signage
  - Posted at lab entrances to indicate:
    - Biosafety level
    - Required PPE
    - Donning / doffing procedures

IDAHO DEPARTMENT OF HEALTH & WELFARE  
DIVISION OF PUBLIC HEALTH

**BSL-3 conditions  
LOW RISK**

**PPE REQUIRED FOR WORK IN 905**

In 902, remove white lab coat.



**Donning in 902**

1. Face shield only\*  
\*Not needed if PAPR is worn.
2. Shoe covers
3. PAPR or N/P-100 respirator
4. Closed-front blue gown
5. Double gloves (inner gloves taped to gown sleeves)



V. 08-2016

## Idaho

### Select Agent Identification Chart

- Growth characteristics
- Gram stain morphology
- Biochemical results
- Transmission
- Symptoms

ASM SENTINEL LABORATORY GUIDELINES <https://www.asm.org/index.php/guidelines/sentinel-guidelines>

Select Agent	<i>Bacillus anthracis</i>	<i>Yersinia pestis</i>	<i>Francisella tularensis</i>	<i>Brucella</i> species	<i>Burkholderia mallei</i>	<i>Burkholderia pseudomallei</i>
Illness	Anthrax	Plague	Tularemia	Brucellosis, Malta fever	Glanders	Melioidosis
Signs and Symptoms	<u>Cutaneous:</u> eschar, edema <u>Gastrointestinal:</u> nausea, fever, abdominal pain, bloody diarrhea <u>Inhalational:</u> initial fever, malaise, some improvement, then abrupt respiratory distress	Fever, chills, headache, coughing up blood, buboes, sepsis	Ulceroglandular disease, sudden onset, chills, head cold, pharyngitis, cough, chest pain or tightness, possible skin lesions (cutaneous)	<u>Acute:</u> fever, sweats, headache, anorexia <u>Chronic:</u> mimic miliary TB	<u>Cutaneous:</u> nodules w/ localized lymphadenitis <u>Systemic:</u> broncho or lobar pneumonia, lesions in liver and spleen	<u>Acute:</u> pneumonia, high fever, dyspnea, chest pain <u>Subacute:</u> low grade fever, malaise, anorexia, weight loss <u>Chronic:</u> mimic miliary TB (vietnamese time bomb)
Zoonotic	Yes	Yes	Yes	Yes	Yes	Yes
Transmission	Inhaling spores (e.g. from wool) or consuming undercooked meat from infected animals	Fleas, rodents, prairie dogs	Ticks, mosquitoes, fleas, contaminated hay, water, infected carcasses, infected animals, aerosolized particles, rabbits	Cattle (B. abortus), goats, sheep, camels (B. melitensis), pigs (B. suis), dogs (B. canis)	Equines (horses, mules, donkeys)	Soil, water (direct contact with), or aerosols from environmental sources
<u>Growth Media</u>	<u>SBA</u> Growth 18 hr, ground glass	<u>SBA</u> Growth 24-48 hr, gray-white to opaque	<u>SBA</u> Scant to no growth 48-72 hr**	<u>SBA</u> Growth 48-72 hr, white colonies	<u>SBA</u> Growth 48 hr, gray, translucent colonies	<u>SBA</u> Growth 24 hr, white colonies, wrinkled colonies > 72 hr
<u>CHOC</u>	Growth 18 hr	Growth 24-48 hr	Growth 48-72 hr, gray to grayish white colonies	Growth 48-72 hr	Growth 48 hr	Growth 24 hr
<u>MAC</u>	No growth	Growth 48 hr, clear, non-lactose fermenter	No growth	No growth	Poor to no growth 48 hr	Growth 24 hr
Gram stain, morphology, & size	Positive Large rods, spores may be present 1-1.5 x 3-5 µm	Negative Plump rods 1-2 x 0.5 µm	Negative Coccobacillus, faintly staining 0.2-0.5 x 0.7-1.0 µm	Negative, Coccobacillus, faintly staining 0.4 x 0.8 µm	Negative Coccobacillus or small rod 1.5-3 x 0.5-1 µm	Negative Straight or slightly curved rods 2-5 x 0.4-0.8 µm
Hemolysis	* Non-hemolytic	Non-hemolytic	Non-hemolytic	Non-hemolytic	* Non-hemolytic	* Non-hemolytic
Oxidase	+	-	-	+	Variable, most -	+
Catalase	+	+	+	+	+	+
Urease	-	-	-	+	variable	variable
Motility	*	-	-	-	*	*
Indole	-	-	-	-	-	-
Satellite	NR	NR	+	-	NR	NR
Growth @ 25° C	NR	+	NR	NR	NR	NR
Growth @ 42° C	NR	NR	NR	NR	*	+
Polymyxin B or Colistin	NR	NR	NR	NR	* resistant	* resistant
Amoxicillin clavulanate	NR	NR	NR	NR	* susceptible	* susceptible
Penicillin	NR	NR	NR	NR	* resistant	* resistant
β-lactamase	NR	-	+	+	NR	NR
ID panel misidentification		<i>Shigella</i> , <i>Y. pseudotuberculosis</i> , <i>Acinetobacter</i>	<i>Haemophilus gillarii</i> , <i>Klebsiella</i> , <i>Aggregatibacter</i>	<i>Roseomonas gilardii</i> , <i>Klebsiella</i> spp.	<i>Burkholderia</i> spp., <i>Ralstonia pickettii</i>	<i>Chromobacterium violaceum</i> , <i>B. cepacia</i>
Occurrence	Endemic in the USA	Endemic in Idaho	Endemic in Idaho	Endemic in Idaho	Not endemic in USA	Not endemic in USA

NR: Not a recommended test for identification of specific select agent  
\*\*initial culture may be positive on SBA; subsequent passages negative for growth on SBA

Revised 4/2014 Idaho Bureau of Laboratories, www.statelab.idaho.gov, 208-334-2235

## Montana

- Risk Assessment Form
  - Based on most hazardous organism handled
  - Covers multiple tasks
  - Route of exposure
  - Recommended PPE and biosafety level
  - Required engineering controls
  - Associated risk before and after safety practices in place

Department Risk Assessment Form				Section: _____					
Technologist performing assessment: _____			Reviewed by: _____			Date: _____			
Organism (if multiple choose most hazardous)	Risk Group*	Task(task frequency**)	Route(s) of exposure and associated risk***	Specific Safety Practices	PPE Recommended	Biosafety Level Recommended	Engineering Controls Required	Disposal Considerations	Associated risk with PPE, Controls, and Safety Practices
			Inhalation- Ingestion- Percutaneous- Mucous membrane-	SOP review.	Gloves, lab coat				Inhalation-L Ingestion-L Percutaneous-L Mucous membrane-L

## Montana

- Bloodborne Pathogens Training
  - Reviewed annually
  - Symptoms of bloodborne diseases
  - Modes of transmission
  - Tasks with exposure risks
  - How to prevent exposures
  - Exposure follow-up



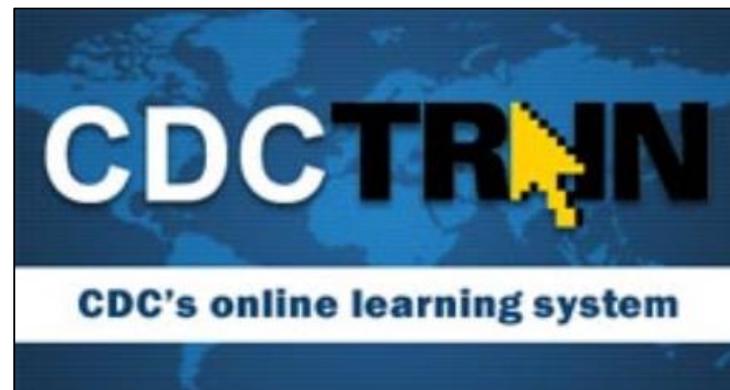
Christopher Lee in *Horror of Dracula*

**"Oh, no! Did I get my  
Hepatitis shot?"**

## North Dakota

- Biothreat Online Modules

- Located on CDC Train website
- Biosafety
- Emerging infections and implementations of EUA's
- Biological Agent Transport kits and environmental sample collection and submission
- Incident command and response
- Select Agent modules
- Public health partnerships
- Trends and issues in public health laboratory testing



## South Dakota

- Sentinel Lab Survey
  - Basic housekeeping questions
  - Biosafety training topics of interest
  - Risk assessments performed
  - SOP on performing risk assessments

### South Dakota Public Health Laboratory Sentinel Site Survey-2017

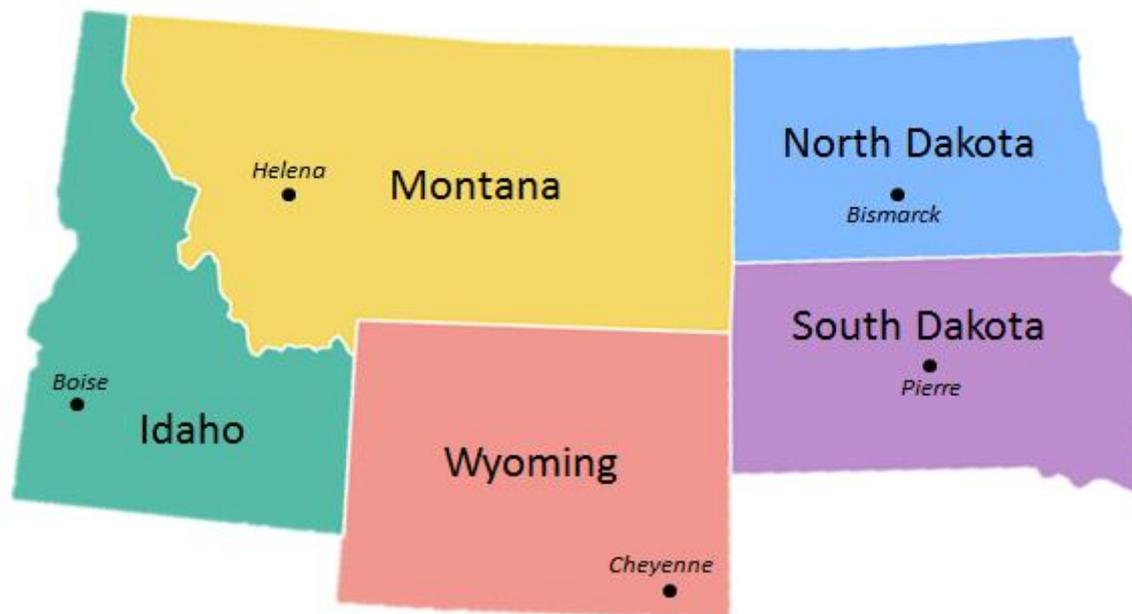
- Facility name: \_\_\_\_\_  
Address: \_\_\_\_\_  
Phone Number: \_\_\_\_\_
- Lab director: \_\_\_\_\_  
Email: \_\_\_\_\_
- Lab safety manager: \_\_\_\_\_  
Email: \_\_\_\_\_
- Number of laboratory staff at the facility? \_\_\_\_\_
- Does your Microbiology in-house testing include Gram stains?  
Yes No
- Does your Microbiology in-house testing include at least one of the following: lower respiratory cultures, wound cultures, or blood cultures?  
Yes No
- Does your laboratory refer testing to another laboratory after performance of the Gram stain?  
Yes No  
If referred, enter Laboratory Facility Name: \_\_\_\_\_
- How many people in your laboratory are certified in Packaging and Shipping of Division 6.2 Materials? \_\_\_\_\_
- Does your facility have an autoclave?  
Yes No
- Does your laboratory have a Class II or other Certified Biological Safety Cabinet?  
Yes No
- Have you completed at least one risk assessment for an identified infectious agent?  
Yes No
- Have you completed at least one laboratory safety risk assessment?  
Yes No
- Do you have a written policy and/or standard operating procedure in place to conduct risk assessments?  
Yes No
- What area(s) of biosafety do you feel you need the most training?
  - Completing Risk Assessments
  - Risk Assessment Policy/SOP Development
  - Basics of Biosafety Practices
  - Use of Biological Safety Cabinets
  - Basics of PPE: including selection, donning and doffing, and disposal
  - Disinfection and Decontamination
  - Overall Safety Plan Development
  - Biosafety Management
  - Biosecurity
  - Other: \_\_\_\_\_

## South Dakota/Montana

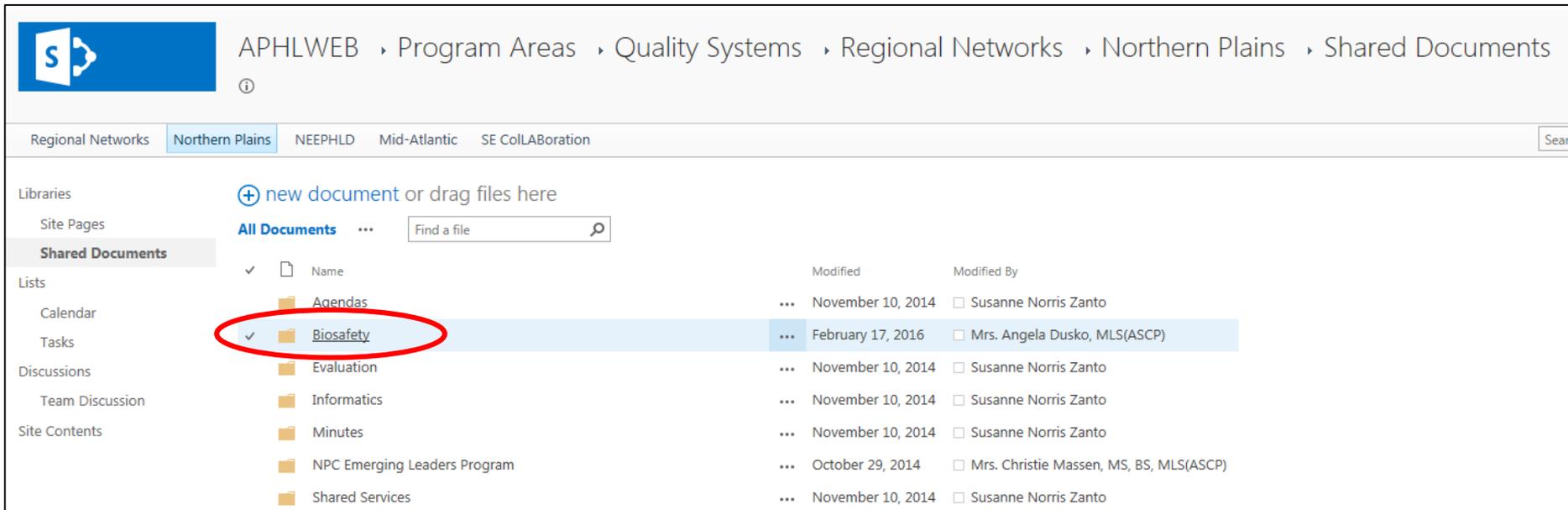
- Eagleson Institute two-day clinical safety workshop
- South Dakota, June 2016
  - Risk assessments, PPE, emergency planning, biosafety cabinet use, waste management, lab assessments
  - Montana and Idaho attended
  - Montana met after with Eagleson instructors
- Montana, September 2016
  - Added occupational health topic
  - Wyoming attended



## Utilizing APHL's SharePoint Site



[https://www.aphlweb.org/aphl\\_departments/qs/Projects/lei/Consortia/NorthernPlains/default.aspx](https://www.aphlweb.org/aphl_departments/qs/Projects/lei/Consortia/NorthernPlains/default.aspx)



APHLWEB » Program Areas » Quality Systems » Regional Networks » Northern Plains » Shared Documents

Regional Networks Northern Plains NEEPHLD Mid-Atlantic SE CoLABoration

Libraries

Site Pages

Shared Documents

new document or drag files here

All Documents Find a file

Name	Modified	Modified By
Agendas	November 10, 2014	Susanne Norris Zanto
<b>Biosafety</b>	February 17, 2016	Mrs. Angela Dusko, MLS(ASCP)
Evaluation	November 10, 2014	Susanne Norris Zanto
Informatics	November 10, 2014	Susanne Norris Zanto
Minutes	November 10, 2014	Susanne Norris Zanto
NPC Emerging Leaders Program	October 29, 2014	Mrs. Christie Massen, MS, BS, MLS(ASCP)
Shared Services	November 10, 2014	Susanne Norris Zanto

NPC SharePoint site

# NLTC 9



## National Laboratory Training Conference

Regional Networks Northern Plains NEEPHLD Mid-Atlantic SE CollABoration

Libraries

- Site Pages
- Shared Documents**
- Lists
  - Calendar
  - Tasks
- Discussions
  - Team Discussion
- Site Contents

+ new document or drag files here

All Documents ... Find a file

✓	📄	Name
	📁	Biosafety References and Resource Documents
	📁	NLTC 9 June 2017
	📁	Packaging and Shipping References and Resources
✓	📁	<u>Resources to share, by state</u>
	📁	Teleconference Agendas
	📁	Teleconference Minutes

Team Discussion  
Site Contents

n Plains NEEPHLD Mid-Atlantic

+ new document or drag

All Documents ... Find a file

✓	📄	Name
	📁	Idaho to share
	📁	Montana to Share
	📁	North Dakota to share
	📁	South Dakota to share
	📁	Wyoming to share

Regional Networks **Northern Plains** NEEPHLD Mid-Atlantic SE CoLLABoration

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**Shared Documents**

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Tasks

Discussions

Team Discussion

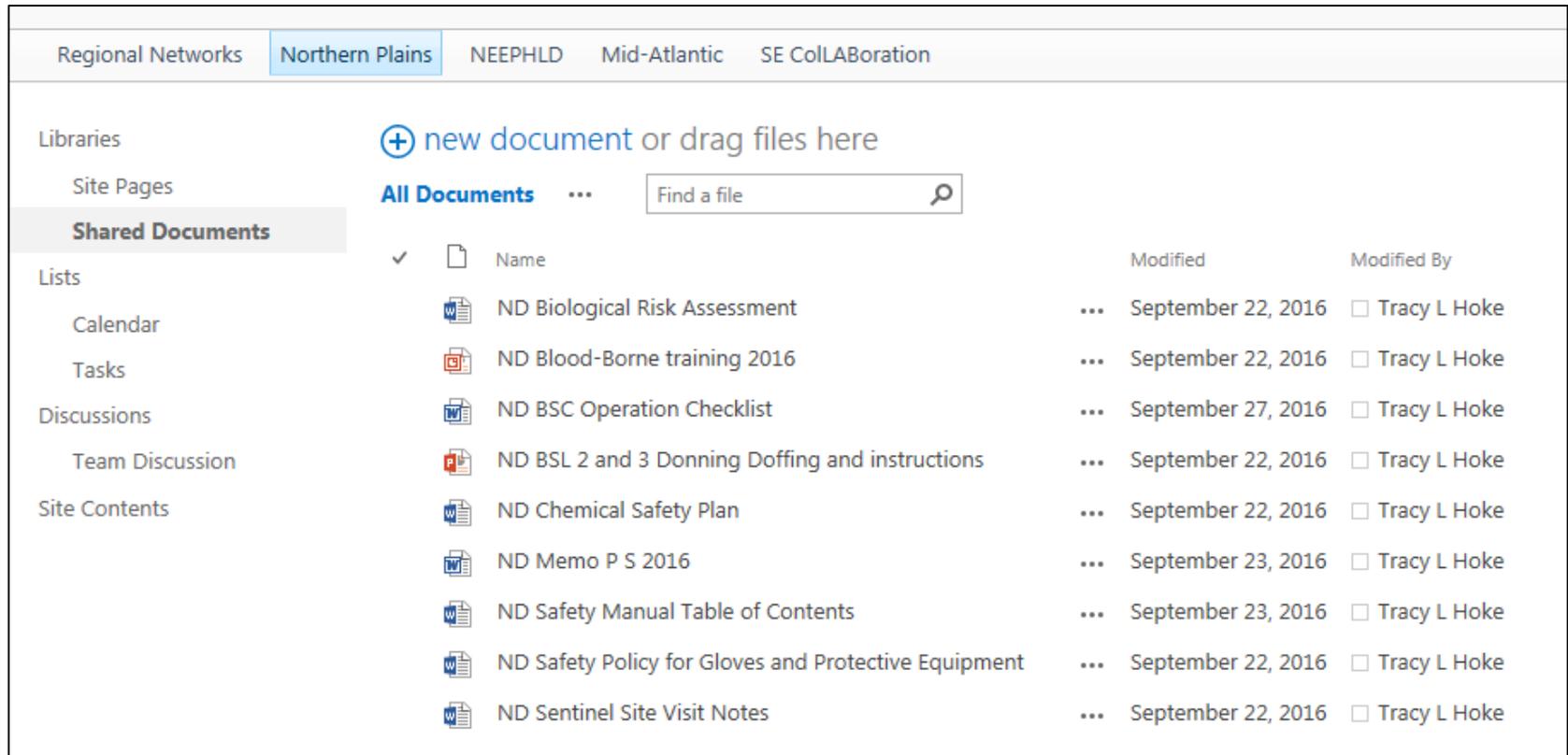
Site Contents

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**All Documents** ... Find a file 

<input checked="" type="checkbox"/>	Name	Modified	Modified By
<input type="checkbox"/>	 Courier Schedule	... September 28, 2016	<input type="checkbox"/> Whitney Lutkemeier
<input type="checkbox"/>	 SDPHL Bench Guide-Final	... September 28, 2016	<input type="checkbox"/> Whitney Lutkemeier
<input type="checkbox"/>	 SDPHL Biosafety Manual October 2015	... September 28, 2016	<input type="checkbox"/> Whitney Lutkemeier
<input type="checkbox"/>	 SDPHL Incident Response Plan	... September 28, 2016	<input type="checkbox"/> Whitney Lutkemeier
<input type="checkbox"/>	 SDPHL Med Micro BSA Worksheet	... September 28, 2016	<input type="checkbox"/> Whitney Lutkemeier
<input type="checkbox"/>	 SDPHL Risk Assessment Worksheet	... September 28, 2016	<input type="checkbox"/> Whitney Lutkemeier

South Dakota shared resources



Regional Networks Northern Plains NEEPHLD Mid-Atlantic SE CoLABoration

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All Documents ... Find a file

✓	File Icon	Name	Modified	Modified By
		ND Biological Risk Assessment	September 22, 2016	<input type="checkbox"/> Tracy L Hoke
		ND Blood-Borne training 2016	September 22, 2016	<input type="checkbox"/> Tracy L Hoke
		ND BSC Operation Checklist	September 27, 2016	<input type="checkbox"/> Tracy L Hoke
		ND BSL 2 and 3 Donning Doffing and instructions	September 22, 2016	<input type="checkbox"/> Tracy L Hoke
		ND Chemical Safety Plan	September 22, 2016	<input type="checkbox"/> Tracy L Hoke
		ND Memo P S 2016	September 23, 2016	<input type="checkbox"/> Tracy L Hoke
		ND Safety Manual Table of Contents	September 23, 2016	<input type="checkbox"/> Tracy L Hoke
		ND Safety Policy for Gloves and Protective Equipment	September 22, 2016	<input type="checkbox"/> Tracy L Hoke
		ND Sentinel Site Visit Notes	September 22, 2016	<input type="checkbox"/> Tracy L Hoke

North Dakota shared resources

Regional Networks Northern Plains NEEPHLD Mid-Atlantic SE CoLLABoration

Libraries

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[+ new document](#) or drag files here

**All Documents** ...

<input checked="" type="checkbox"/>		Name	Modified	Modified By
		MTPHL Packaging and Shipping Reference Binder	... April 13	<input type="checkbox"/> Mrs. Crystal R Fortune, BSCLS
		Outreach binder	... March 23	<input type="checkbox"/> Mrs. Crystal R Fortune, BSCLS
		1-LSB Chemical Hygiene Plan 2011	... May 22	<input type="checkbox"/> Mrs. Crystal R Fortune, BSCLS
		MT 2016 Review of Bloodborne Pathogens	... September 23, 2016	<input type="checkbox"/> Mrs. Crystal R Fortune, BSCLS
		MT bench guide for bioterrorism agents 9-15	... February 17	<input type="checkbox"/> Mrs. Crystal R Fortune, BSCLS
		MT Biosafety in the Laboratory 2015	... September 23, 2016	<input type="checkbox"/> Mrs. Crystal R Fortune, BSCLS
		MT Biosafety Risk Assessment Procedure 9-16	... September 23, 2016	<input type="checkbox"/> Mrs. Crystal R Fortune, BSCLS
		MT Risk Assessment Form 9-16	... September 23, 2016	<input type="checkbox"/> Mrs. Crystal R Fortune, BSCLS
		MT-2014 Packaging and Shipping Division 6	... September 23, 2016	<input type="checkbox"/> Mrs. Crystal R Fortune, BSCLS
		MT-Safe Use of Biological Safety Cabinets	... September 23, 2016	<input type="checkbox"/> Mrs. Crystal R Fortune, BSCLS

Montana shared resources

## National Laboratory Training Conference

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<input checked="" type="checkbox"/>	Name	Modified	Modified By
	Idaho SPHL BSL PPE signage 2016-08	September 27, 2016	<input type="checkbox"/> Dr. Michael Stevenson, PhD
	Idaho SPHL BSL Risk Assessment 2016-09	September 27, 2016	<input type="checkbox"/> Dr. Michael Stevenson, PhD
	Idaho SPHL Category A P-S Checklist 2016-08	September 27, 2016	<input type="checkbox"/> Dr. Michael Stevenson, PhD
	Idaho SPHL Category B or MOT P-S Checklist 2106-08	September 27, 2016	<input type="checkbox"/> Dr. Michael Stevenson, PhD
	Idaho SPHL Evidence Sample Management SOP 2016-09	September 27, 2016	<input type="checkbox"/> Dr. Michael Stevenson, PhD
	Idaho SPHL Packaging - Shipping guidance 2016-08	September 27, 2016	<input type="checkbox"/> Dr. Michael Stevenson, PhD
	Idaho SPHL Plan Biological Safety Quiz 2016-08	September 27, 2016	<input type="checkbox"/> Dr. Michael Stevenson, PhD
	Idaho SPHL Plan Biosafety 2016-08	September 27, 2016	<input type="checkbox"/> Dr. Michael Stevenson, PhD
	Idaho SPHL Plan Chemical Safety 2016-08	September 27, 2016	<input type="checkbox"/> Dr. Michael Stevenson, PhD
	Idaho SPHL Plan Incident Response 2016-01	September 27, 2016	<input type="checkbox"/> Dr. Michael Stevenson, PhD
	Idaho SPHL Plan Incident Response Booklet 2016-05	September 27, 2016	<input type="checkbox"/> Dr. Michael Stevenson, PhD
	Idaho SPHL Plan Security 2016-09	September 27, 2016	<input type="checkbox"/> Dr. Michael Stevenson, PhD
	Idaho SPHL select agent chart page 1 2014	September 27, 2016	<input type="checkbox"/> Dr. Michael Stevenson, PhD
	Idaho SPHL select agent chart page 2 2013	September 27, 2016	<input type="checkbox"/> Dr. Michael Stevenson, PhD
	Idaho SPHL Training Calendar 2016	September 27, 2016	<input type="checkbox"/> Dr. Michael Stevenson, PhD

## Idaho shared resources

## The Value of It All...

- Not having to reinvent the wheel
- Having different perspectives
- Variety of backgrounds and experience



# NLTC 9

National Laboratory Training Conference



And...



We is friends, 2!

