

METH IN INDIAN COUNTRY

Meth Testing and Remediation
Procedures
Guidelines and Best Practices

Meth In Indian Country

- ▶ Day 1: Introduction – Meth in Indian Country –
- ▶ Meth in Indian Housing – Does it exist? Is it a problem? Review current practices & policies.
- ▶ Day 2: Train staff on recommended approach to inspection, remediation & record keeping. Review policies regarding unit management, testing & violations. Will include section on safety

Day 1 – April 14 –

9:00 a.m. – Training begins: Introduction and discussion with attendees

10:00 – 10:15 – Break – Review current practices and existing policies

11:00 – 11:15 Break

12:00 – 1:00 – Lunch Break

1:00 – Continue discussion on current practices and existing policies

2:00 – 2:15 – Break

3:00 – 3:15 – Break

4:00 – End of Day 1

Training Day 2 – April 15 –

9:00 a.m. – Training Day 2 begins: Recommended approaches to inspections, safety, remediation and record keeping.

10:00 – Break 10:15 – Continue discussion on inspections, remediations and record keeping.

11:00 – 11:15 Break

12:00 – 1:00 p.m. – Lunch Break

1:00 p.m. – Review policies regarding unit management, testing and violations.

2:00 – 2:15 – Break – Continue discussion regarding unit management, testing and violations

3:00 – 3:15 – Break

4:00 p.m. – End of Day 2 Training

Native American Meth Overdose Deaths Increase

- ▶ NIH/National Institute on Drug Abuse released a report on January 20, 2021
- ▶ “Deaths involving methamphetamines more than quadrupled among non-Hispanic American Indians and Alaska Natives from 2011–2018.”
- ▶ “While much attention is focused on the opioid crisis, a methamphetamine crisis has been quietly, but actively, gaining steam.”

METH HOMES

Meth contamination cleanup can take weeks,
cost thousands – YouTube

METH in TDHE Units

- ▶ Cost, Cost, Cost
- ▶ TDHE's are underfunded, Meth contamination can create \$10k – \$20k (estimate) in damages
- ▶ Budget impact: Training, certifying, materials
- ▶ Without policy and rental agreement addressing drugs/meth violators could continue occupancy

Evict or Not to Evict?

- ▶ Discussion for TDHE, TDHE Board, Tribal Leaders, Tribal membership
- ▶ Failure to evict:
 - How does TDHE justify evicting for failure to meet rent requirements if no eviction for meth
 - Consideration: Tribal housing is tribal property; if a tribal member took \$10k from the Tribe or damaged the Tribal Council office would this be tolerated?
 - Every dollar spent on meth remediation is a dollar taken away from desperately needed new construction or rehab

Collateral Damage

- ▶ Elders– Multiple families living in “Grandma’s” unit
- ▶ More than likely not the fault of the elder
- ▶ How does TDHE address?
 - Evict elder?
 - Minor children?
 - Place elder in smaller unit under an agreement that does not allow additional occupants

UNITED STATES v. RACHEL KIMBERLINE DAUGHERTY

- A 29-year-old San Carlos Apache woman took a walk, holding her young son in one hand..
- Hyped up on methamphetamine, she stabbed the 5 year old boy to death, later telling officials on the Arizona reservation that her son was the “devil” and “possessed.”

Meth Awareness and Abatement Training 2009

9

**POLICY, POLICY, POLICY
EDUCATE, EDUCATE, EDUCATE
COMMUNICATE WITH
COMMUNITY & TRIBAL
LEADERS**

OUTREACH, OUTREACH, OUTREACH

TDHE STAFF OR CONTRACTOR?

Should TDHE Pursue Training or Hire A Contractor?

- ▶ Identify level of Meth Contamination
 - Minimal number of units contaminated?
 - If TDHE experiences a minimal number of contaminated units, it may be more cost effective to hire a contractor vs train staff

- ▶ Noting that TDHE may be short staffed, Training Staff may not be an option

Training/Certification Requirements

- ▶ 40 hours of OSHA 1910.120 Hazardous Waste Operations & Emergency Response Course
- ▶ 8 hours OSHA 1910.120 Hazardous Waste Operations & Emergency Response Site Supervisor Course
- ▶ 16 hours ARM 17.74.501–17.74.518 Methamphetamine Worker/Supervisor Training

Re-Certification Requirements:

- ▶ 8 Hours HAZWHOPER refresher course every 2 years
- ▶ 8 Hours Methamphetamine Worker/Supervisor refresher course every year

Average Training Costs

(course costs only travel costs can vary)

- ▶ OSHA 1910.120 Hazardous Waste Operations & Emergency Response Course *\$1000.00 per person*
- ▶ OSHA 1910.120 Hazardous Waste Operations & Emergency Response Site Supervisor Course *Included in above cost*
- ▶ ARM 17.74.501-17.74.518 Methamphetamine Worker/Supervisor Training *\$600.00 per person*

Refreshers

- ▶ HAZWOPER refresher course every year *\$200.00 per person*
- ▶ Methamphetamine Worker/Supervisor refresher course *\$200.00 per person*
- ▶ Refresher courses are only required every two years, may consider annual attendance due to constant evolution of meth and abatement practices

Meth Remediation Contractor

- ▶ TDHE's may prefer to hire a Meth Remediation Contractor
- ▶ There are several variables to consider:
 - Cost of contractor
 - Availability of Certified Contractors
 - Logistics
 - TERO and permitting challenges

Address: Duplex # 2306 (2 Units) – Total SQFT – 1,248

Unit Rate Quantity Estimated Cost

TASK 1 - METH SURVEY

Sr. Project Engineer per hour \$95 0.5 \$48

Industrial Hygienist per hour \$65 11 \$715

Drafting per hour \$50 0 \$0

Clerical per hour \$45 0 \$0

SubTotal - Task 1 \$763**TASK 2 - REPORTING**

Sr. Project Engineer per hour \$95 0.5 \$48

Industrial Hygienist per hour \$65 4 \$260

Drafting per hour \$50 0 \$0

Clerical per hour \$45 0 \$0

Subtotal - Task 2 \$308**REIMBURSABLES**

Meth wipe sample analysis ea \$45 7 \$315

Shipping - Overnight ea \$75 1 \$75

Mileage per mile \$0.50 480 \$240

Per Diem per day \$26.00 1 \$26

Copies ea \$0.10 100 \$10

Color Copies (8.5" X 11") ea \$1 5 \$5

Color Copies (11" X 17") ea \$3 0 \$0

Camera ea \$10 1 \$10

Other Direct Costs Total \$681**Subtotal \$1,751****5 % Contingency \$89****TOTAL PROJECT PRICE \$1,840****NOTES:**

Standard analytical turn-around

Letter report includes inspection summary, analytical results, photo log, and cleanup recommendations

This revised estimate prepared by T. Roberts on April 13, 2011

BH Zero Tolerance Drug Policy

Blackfeet Housing, in order to provide secure, safe and decent housing, hereby adopts a zero tolerance policy regarding illegal drug use, on or off Blackfeet Housing premises pursuant to Blackfeet Housing Resolution #2004-20.

Any occupant, family member, guest or person, whom Blackfeet Housing has reasonable cause to believe, whose illegal drug use or pattern of use, or use of, or pattern of use of alcohol, on or off Blackfeet Housing premises, interferes with the health, safety and peaceful enjoyment of individuals in Blackfeet Housing units, will be subject to immediate board up.

The occupant understands, consents to and agrees that they, their family members and guests will maintain the unit in a drug free state, or be subject to immediate board up. If the occupant, any member of the household or a guest engages in any drug related activity, on or off Blackfeet Housing project premises, they will be subject to immediate board up and eviction proceedings will begin. Conviction is not necessary for eviction.

When Do You Test?

1. Unit becomes vacant (Baseline Test) A baseline test ensures the unit is clean prior to a new move in
2. Reasonable suspicion of drug activity
Examples: Police Report, Staff Report, Paraphernalia
3. By tenant request

Red Flags for Testing a Unit

https://www.youtube.com/watch?v=ca_XsczZX2s

Establishing A Baseline

- ▶ Why establish a baseline?
 - TDHE needs to document that unit tested negative
 - TDHE providing a safe living environment for members

Test All Units?

- ▶ Should the TDHE test all units at same time?
- ▶ Con's:
 - TDHE risks high number of units testing positive posing displacement of a large number of members
 - TDHE risks high number of vacant units that may remain vacant for a long period of time due to availability of Meth Remediation Teams or funding shortfalls
 - Political fallout – Reality

Set A Goal To Test All Units Systematically

- ▶ TDHE may elect to test units systematically under the following conditions:
- ▶ 1) Anytime a unit becomes vacant
- ▶ 2) Anytime a disturbance involving drugs or drug paraphernalia is reported at a unit
- ▶ 3) Anytime a Tenant requests a unit transfer
- ▶ 4) Anytime a unit becomes vacant for rehab or emergency repairs

1) Testing Vacant Units

- ▶ Establish a Process to Test Vacant Units
- ▶ Requires a process and Inter-department communication
- ▶ Testing Units as they become vacant allows TDHE to begin establishing History of a unit
- ▶ TDHE will have an answer for new tenants requesting meth status of a unit

Vacant Unit Testing Process

- ▶ Occupancy first in-line of knowledge when a unit becomes vacant
- ▶ Occupancy's responsibility to notify departments of a unit entering the "Vacant Unit Process"

Vacant Unit Testing Map

- ▶ Occupancy identifies vacant unit
- ▶ Occupancy distributes inter-department memo informing of vacant unit and requesting Environmental (Meth) test (Security Department)
- ▶ Allows all departments knowledge of status of unit
- ▶ Unit does not proceed in renovation process until unit is tested and identified as negative or positive



DATE: July 11, 2017

TO: SANDI RUNNING CRANE, OCCUPANCY SUPERVISOR

FROM: MAUREEN SALOIS, SECURITY SUPERVISOR

SUBJECT: UNIT #1841

UNIT #1841 IS CLEAR. THIS UNIT IS CLEARED OF ALL ENVIRONMENTAL SUBSTANCES. UNIT IS READY TO BE PUT BACK IN RENOVATION PROCESS.

DATE: June 8, 2016

TO: FINANCE, LEASE PURCHASE

FROM: SECURITY SUPERVISOR

SUBJECT: UNIT #1754

UNIT #1754 HAS BEEN CLEARED WITH THE 3WASH METHOD. THIS UNIT IS CLEARED OF ALL ENVIRONMENTAL SUBSTANCES. UNIT IS READY TO BE PUT BACK IN RENOVATION PROCESS.

**BLACKFEET HOUSING
MOVE OUT POSITIVE UNIT**

DATE: April 25, 2018 **TIME:** 8:52 AM


TO: _____ **DEPART.:** SECURITY/MAINT.
cc: Director, Assistant Director, Renovation, Finance, Material & Supply, Waiting List, Occupancy, FILE

UNIT #: 1211 **M/O DATE:** 4/24/2018

DESCRIPTION: M/O due to Termination. Do not assign or process until further notice

ENVIRONMENTAL TEST POSITIVE DATE: 11/15/2017

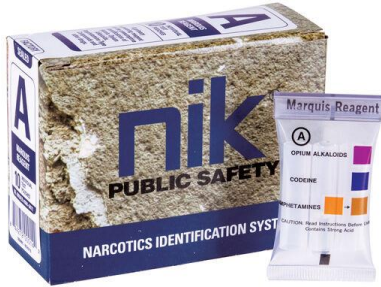
EXTERMINATION DATE: ?
POSITIVE: _____ NEGATIVE: _____

TAKEN BY: SRC 

2) Testing a Unit Involving a Reported Disturbance

- ▶ Establish a Protocol with TDHE Security and Local Law Enforcement (This may not be an option with all TDHE's)
- ▶ Ideally Law Enforcement and TDHE work together:
 - TDHE Security is called to all units that Local Law Enforcement responds to
 - If drugs or drug paraphernalia are present, local law enforcement will test substance to verify substance is an illicit drug
 - If substance test positive for an illicit drug, unit will enter Meth Testing process for TDHE
 - Important to document entire process, prepare as if you will be in court

Local Law Enforcement Drug Testing



Marquis Reagent: Primary general screening test for the presumptive identification of Opiates (Morphine, Codeine or Heroin), Demerol, Black Tar, Amphetamine-type compounds including Methamphetamine & Methylenedioxyamphetamine (MDMA or Ecstasy), Amphetamines and as a general screening agent for other drugs.

\$18.00

Add-on options

Custom made for you within 45-60 days. Special products may take longer.

BLACKFEET HOUSING SECURITY INCIDENT REPORT

Case #: BH1802-018

BH SECURITY OFFICER: 473 -A. Bull Calf

DATE/TIME OF INCIDENT: 02-15-2018/0253

HOUSING UNIT: 747

OWNER/TENANT: Butterfly, Karen

OFFENSE: Removal, Property Damage, Drug Incident

ALCOHOL/DRUG RELATED: Yes

SUSPECT (S): Ben Loring, Mark Weather Wax

SUSPECT/PERSON ARRESTED: Ben Loring

REPORTING PARTY: S14

VICTIM: Housing Department

WITNESS: N/A

RESPONDING OFFICER (S): S14-473-Man On Call

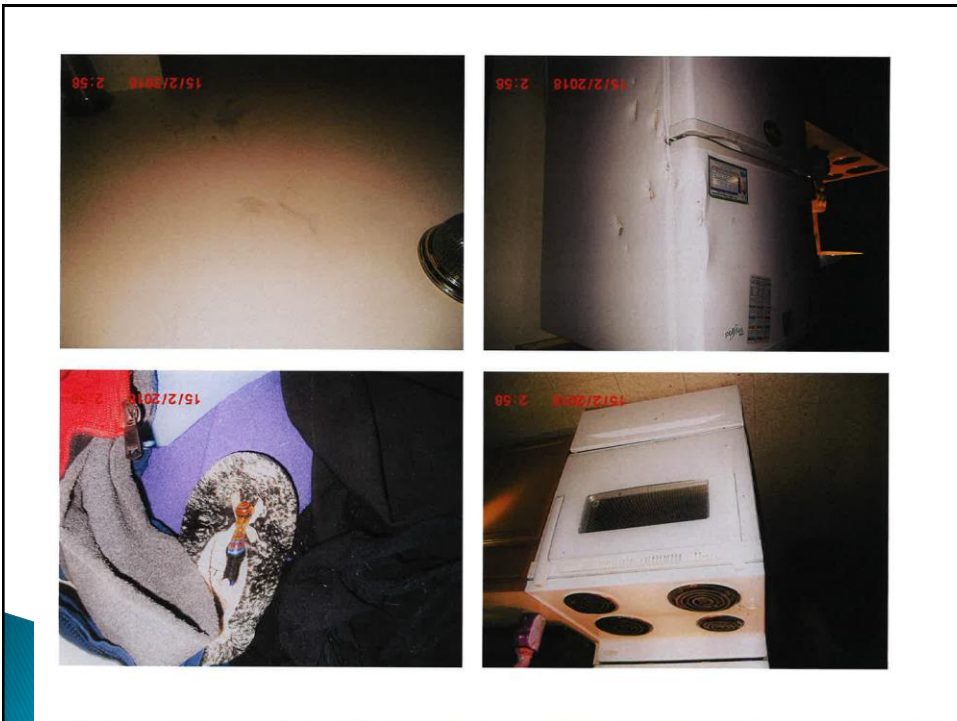
PROPERTY DAMAGE (TYPE): Yes

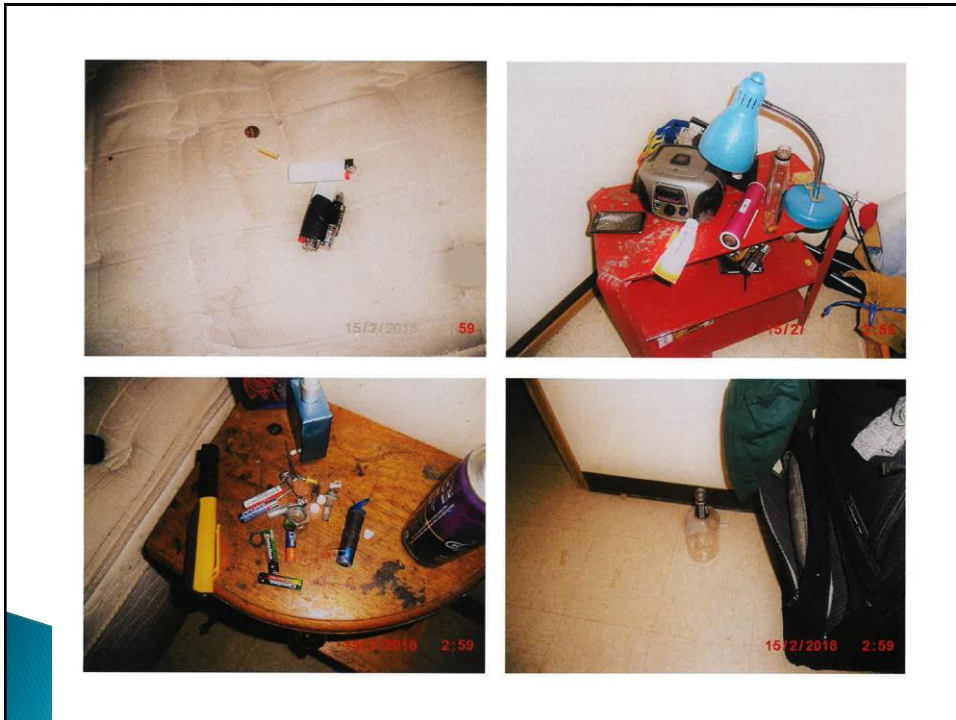
PHOTOS TAKEN: Yes

NARRATIVE: S14 requested housing security for welfare check on female. On arrival officer did knock on door which opened. Back door observed to be kicked in. Officer did request ambulance male was laying on bed in back room and had blood on side of his head. Mark Weather Wax was removed from unit. Ben Loring was detained for warrant. S14 did take male to HIN for med clearance ambulance was cancelled suspect refused medical assistance. Upon taking pictures meth pipe picture taken in living room, marijuana pipe picture taken in back bedroom. Several vodka and black velvet bottles throughout the unit. Fridge door is damaged. Burn mark on kitchen ceiling. Oven door damaged. Upon waiting outside. Colleen Wasemer arrived with four others stating she is living here at this unit that Karen is allowing them to stay there. Tenant was not at this unit. Colleen stated she is at her mothers. People were not allowed inside unit but did take their three dogs with them. Man on call did board the back door we then did clear from this unit area.

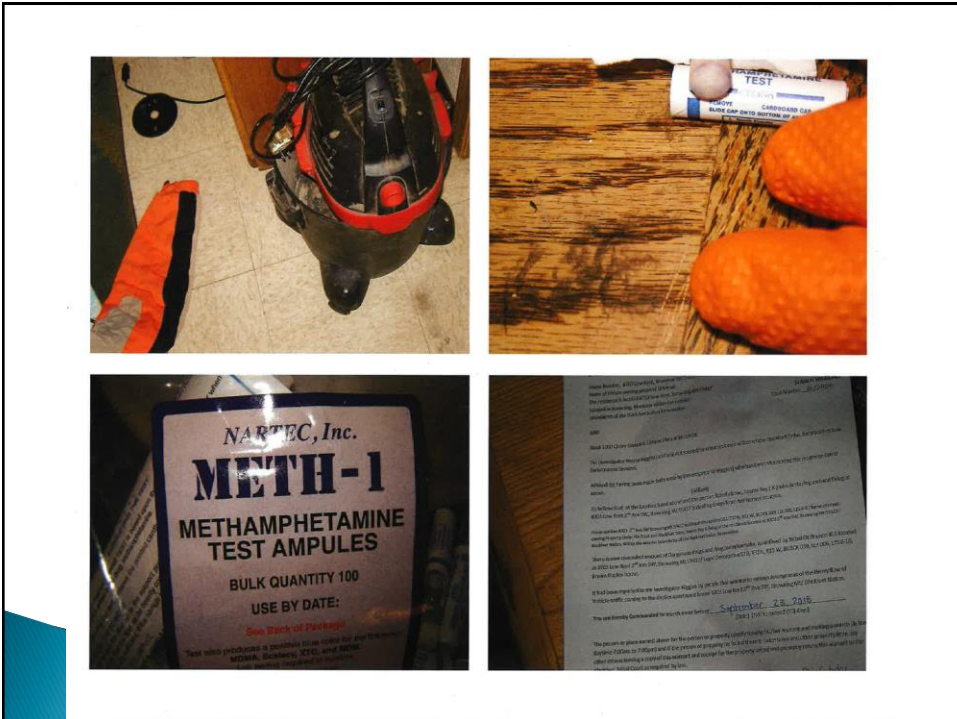
BH SECURITY OFFICER SIGNATURE: 473 -A. Bull Calf

DATE: 02-15-2018

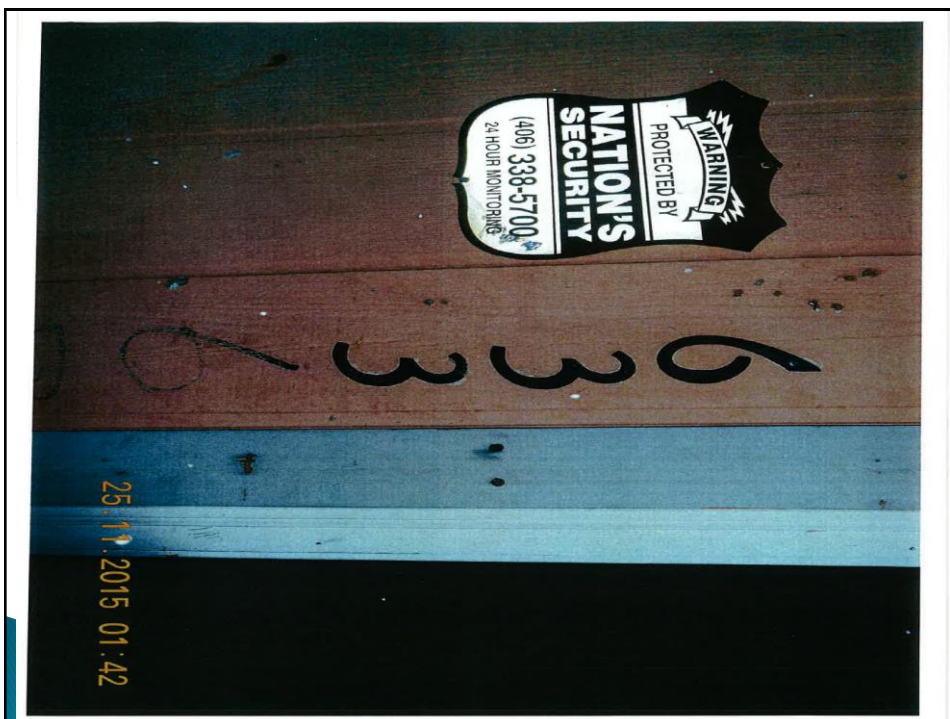




NARRATIVE: upon my arrival to this unit the officers were doing a drug bust on this unit 703 there was no one home at this time the door was kicked in by the law enforcement officers they did go through the hole house looking for any kind of drugs in the back-north bedroom there was a white substance on a mirror that tested positive for methamphetamine I did take pictures of the test with all the other tests that that tested positive for this drug I did take a picture of the warrant did call the man on call to board the front door did clear and did leave this unit area



REPORTING PARTY: 474
VICTIM: tenant
WITNESS: No
RESPONDING OFFICER (S): 474/805/821/473
PROPERTY DAMAGE <TYPE>: No
PHOTOS TAKEN: yes
NARRATIVE: there was a minor boy outside this unit yelling around and did advise that he was drinking at this unit did knock on the door and several people ran out the back door and the tenant walked out of the bathroom and wanted to know what was going on officer 805 did do a walk through to see if any minors were drinking in this unit no minors were at this unit and in the back north west facing room this suspect was laying on the floor when officer 805 told her to get up a needle was sticking out of her shirt and this officer did arrest this female suspect at 0058 hrs. this officer 805 did test this substance that was in this needle and it came out positive for methamphetamines did clear the law enforcement area
SECURITY OFFICER SIGNATURE; 474- DATE: 11-25-2015











3) Tenant Requests Transfer

- ▶ Inform tenant that unit will be tested for presence of meth
- ▶ If Meth is detected:
 - Was the unit tested prior to tenant occupying original unit?
 - Yes, Transfer request denied and eviction process begins
 - No, TDHE may have to allow transfer request

4) Vacant Unit Due to Renovation or Emergency Repair

- ▶ To establish a baseline TDHE needs to consistently test units anytime a unit becomes vacant, occupancy status changes, temporary transfers, etc.
- ▶ When a tenant is displaced due to renovation or emergency repair units need to be tested prior to and after move-in
- ▶ Varying differences/situations

TDHE Concludes that Meth Testing is Required

- ▶ TDHE contracts with a Meth Remediation contractor who completes remediation
- ▶ TDHE proceeds with Meth Testing utilizing trained staff

Possible Meth Staff Structure

- ▶ Security Department – Preferred Testing unit & recordkeeper
- ▶ Security is typically involved with any disturbance at a unit
- ▶ Security accompanies Occupancy staff on home visits and unit inspections
- ▶ Security is the primary documenter and tester
- ▶ Security stores all security reports and testing records in secure files

Testing – Best Practices

- ▶ TDHE should prepare a written plan that is consistently followed
- ▶ TDHE should prepare for the process as if it will need to be defended in court
- ▶ Documentation is key for Meth Staff
- ▶ Video cameras are an option
- ▶ Camera that timestamps/dates all photos
- ▶ Staff need to be trained to digitally capture all tangible/pertinent items to document incident

Testing–Best Practices Cont.

- ▶ Pictures should:
- ▶ Identify specific unit by unit number (take a picture of the entire unit)
- ▶ Street view, block, yard etc.
- ▶ There is no such thing as taking too many pictures

Preparation for Testing

- ▶ Tester should develop a plan prior to entering unit
- ▶ Testing should be conducted in pairs. Protect staff against allegations
- ▶ Take pictures of exterior of unit
- ▶ Capture street profile to help identify unit
- ▶ Capture unit # if present

Individual Performing Test Needs to Identify Location that Test was performed. This would include layout of the unit identifying rooms as well as identifying specific wall test was performed. Pictures documenting location of testing are advised

Bedroom #1

Bedroom #2

Bedroom #3

Living Room

Kitchen

Bathroom
Utility
Room

Areas to Test

- ▶ Return air for HVAC
- ▶ Bathroom exhaust fan
- ▶ Kitchen exhaust fan
- ▶ Near windows
- ▶ Near doors
- ▶ Furnace replacement filter area

Testing Supplies

- ▶ Tool Box
- ▶ Scissors
- ▶ Digital Camera (Documenting)
- ▶ Pen & Notepad
- ▶ Rubber Gloves
- ▶ Meth testing kit (Methchek 50/100)
- ▶ Wipe Sample Kit
- ▶ Masking Tape
- ▶ Disposable Shoe Covers
- ▶ Trash Bags
- ▶ Flash Light

Estimated Testing Costs Per Unit

Estimates are for Labor, Supplies, Trash Disposal, and 3rd Party Testing

- 1 Bedroom: \$1500.00 – \$2500.00
- 2 Bedroom: \$2000.00 – \$3000.00
- 3 Bedroom: \$2500.00 – \$3500.00
- 4 Bedroom: \$3000.00 – \$4000.00

Costs can vary depending on vendors, supply costs, and delivery time frames. We usually pay extra on rush orders. This estimate is for testing costs only and does not include renovation costs.




SKC Meth Test Kit Video

<https://www.youtube.com/watch?v=le5W2OGLpHw>

Testing

A Methchek sample swab is taken from surfaces in a unit. On average we take about one swab per room. The swab is then tested immediately with the Methchek 50/100 Testing Kit and result are available in about 5 minutes. Methchek's are \$25.00 per kit, availability varies depending on demand.

7 Read Results Position cartridge with sample well on right and observe. Results appear in 1 min. and complete in 5 mins.

		
Positive , meth residue detected above 50 ng LLOI	Negative , meth residue not detected at 50 ng LLOI (See Operating Instructions for details.)	Invalid Test , perform new test

560-003

MethChek 100 Immunoassay Kit, Semi-quantitative, pk/12

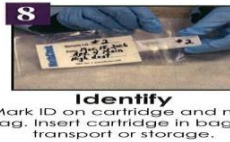
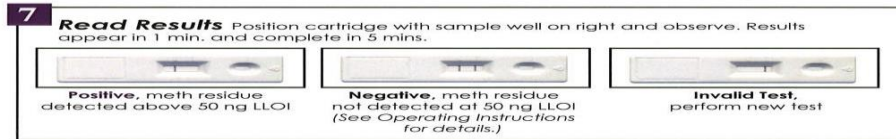
MethChek® 100 Colorimetric Wipe Kit, semi-quantitative, contains everything needed to assess methamphetamine residue on surfaces relevant to state cleanup guidelines: swabs/gauze, trays, templates, gloves, syringes, pipettes, reagents, detection cartridges, bags, instructions, and SDS, pk/12

Limit of detection: 0.1 µg/100 cm²

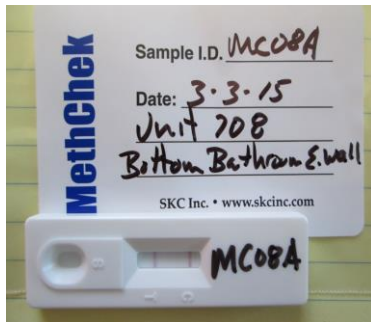
May be subject to additional freight charges
\$299.00 (\$25/test kit)

MethChek 50 Quick Guide Immunoassay Wipe Test Kit (50 ng LLOI)

Wear supplied gloves for all procedures.



Test Kit Examples



Test Results

- ▶ Positive – results in a wipe sample test that is sent to the ALS Global Lab for more extensive testing.(\$35.00 for a Lab Test)
- ▶ Negative – is considered a clean unit and is referred back to TDHE'S Occupancy Department.
- ▶ Invalid – requires a re-test of the invalid area




Positive Unit

- ▶ Once a unit tests positive the TDHE will be faced with following challenges:
- ▶ Immediate eviction and cease occupancy of unit? This will be guided by the TDHE's adopted policy
- ▶ Best practices would be:
 - Secure unit, board all entryways, Security watch
 - Identify with caution/hazardous tape
 - Does the TDHE allow personal articles to leave the unit?

Contamination Levels

- ▶ Current State standards range from 0.05ug/100 cm² to 1.5 ug/100 cm² - with the most common standard identified as 0.1 ug/100 cm²
- ▶ 2007- California adopted into law the safe level of 1.5 ug/100 cm² (EPA-2013)
- ▶ 2009- Wyoming, Kansas & Minnesota adopted safe level of 1.5 ug/100 cm² (EPA-2013)
- ▶ South Dakota has chosen .1 ug/100 cm² as the safe level of meth
- ▶ The extent of demolition and cleaning is determined by the contamination level
- ▶ Any results lower than an 8.0 are washable
- ▶ Results higher than an 8.0 are likely to be demolished to the studs
- ▶ Requirements for contamination levels can vary depending on local laws and regulations



ANALYTICAL REPORT

Report Date: September 14, 2018

Phone:
Fax:
E-mail:

Workorder: **34-1825160**
Client Project ID: 4649
Purchase Order: NA
Project Manager: Paul Pope

Analytical Results

Sample ID: S#49-1 Lab ID: 1825160001	Sampling Location: 4649	Collected: 09/05/2018 Received: 09/08/2018
Method: NIOSH 9111 Media: Wipe Sampling Info: Volume Not Provided Instrument: LCMS06 Analyzed: 09/13/2018 (222639)		
Analyte	Result (ug/sample)	Result (ug/100cm ²) RL (ug/sample)
Methamphetamine	16	NA 0.050


Sample ID: S#49-2 Lab ID: 1825160002	Sampling Location: 4649	Collected: 09/05/2018 Received: 09/08/2018
Method: NIOSH 9111 Media: Wipe Sampling Info: Volume Not Provided Instrument: LCMS06 Analyzed: 09/13/2018 (222639)		
Analyte	Result (ug/sample)	Result (ug/100cm ²) RL (ug/sample)
Methamphetamine	3.3	NA 0.050

Sample ID: S#49-3 Lab ID: 1825160003	Sampling Location: 4649	Collected: 09/05/2018 Received: 09/08/2018
Method: NIOSH 9111 Media: Wipe Sampling Info: Volume Not Provided Instrument: LCMS06 Analyzed: 09/13/2018 (222639)		
Analyte	Result (ug/sample)	Result (ug/100cm ²) RL (ug/sample)
Methamphetamine	2.9	NA 0.050

ADDRESS: 960 West LeVoy Drive, Salt Lake City, Utah, 84123 USA | PHONE: +1 801 266 7700 | FAX: +1 801 268 9992
ALS GROUP USA, CORP. An ALS Limited Company

www.alsglobal.com
RIGHT SOLUTIONS. RIGHT PARTNER.

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ANALYTICAL REPORT

Workorder: **34-1825160**
Client Project ID: 4649
Purchase Order: NA
Project Manager: Paul Pope

Analytical Results

Sample ID: S#49-4 Lab ID: 1825160004	Sampling Location: 4649	Collected: 09/05/2018 Received: 09/08/2018
Method: NIOSH 9111 Media: Wipe Sampling Info: Volume Not Provided Instrument: LCMS06 Analyzed: 09/13/2018 (222639)		
Analyte	Result (ug/sample)	Result (ug/100cm ²) RL (ug/sample)
Methamphetamine	7.3	NA 0.050

Sample ID: S#49-5 Lab ID: 1825160005	Sampling Location: 4649	Collected: 09/05/2018 Received: 09/08/2018
Method: NIOSH 9111 Media: Wipe Sampling Info: Volume Not Provided Instrument: LCMS06 Analyzed: 09/13/2018 (222639)		
Analyte	Result (ug/sample)	Result (ug/100cm ²) RL (ug/sample)
Methamphetamine	3.6	NA 0.050

Sample ID: S#49-6 Lab ID: 1825160006	Sampling Location: 4649	Collected: 09/05/2018 Received: 09/08/2018
Method: NIOSH 9111 Media: Wipe Sampling Info: Volume Not Provided Instrument: LCMS06 Analyzed: 09/13/2018 (222639)		
Analyte	Result (ug/sample)	Result (ug/100cm ²) RL (ug/sample)
Methamphetamine	0.83	NA 0.050

Sample ID: S#49-7 Lab ID: 1825160007	Sampling Location: 4649	Collected: 09/05/2018 Received: 09/08/2018
Method: NIOSH 9111 Media: Wipe Sampling Info: Volume Not Provided Instrument: LCMS06 Analyzed: 09/13/2018 (222639)		
Analyte	Result (ug/sample)	Result (ug/100cm ²) RL (ug/sample)
Methamphetamine	26	NA 0.050

Sample ID: S#49-8 Lab ID: 1825160008	Sampling Location: 4649	Collected: 09/05/2018 Received: 09/08/2018
Method: NIOSH 9111 Media: Wipe Sampling Info: Volume Not Provided Instrument: LCMS06 Analyzed: 09/13/2018 (222639)		
Analyte	Result (ug/sample)	Result (ug/100cm ²) RL (ug/sample)
Methamphetamine	0.86	NA 0.050

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ANALYTICAL REPORT

Workorder: 34-182516D

Client Project ID: 4649
 Purchase Order: NA
 Project Manager: Paul Pope

Analytical Results

Sample ID: S#49-9	Collected: 09/05/2018		
Lab ID: 1825160009	Received: 09/08/2018		
Method: NIOSH 9111	Media: Wipe		
Sampling Location: 4649	Instrument: LCMS06		
Sampling Info: Volume Not Provided	Analyzed: 09/13/2018 (222639)		
Analyte	Result (ug/sample)	Result (ug/100cm ²)	RL (ug/sample)
Methamphetamine	1.7	NA	0.050

Sample ID: S#49-10	Collected: 09/05/2018		
Lab ID: 1825160010	Received: 09/08/2018		
Method: NIOSH 9111	Media: Wipe		
Sampling Location: 4649	Instrument: LCMS06		
Sampling Info: Volume Not Provided	Analyzed: 09/13/2018 (222639)		
Analyte	Result (ug/sample)	Result (ug/100cm ²)	RL (ug/sample)
Methamphetamine	ND	NA	0.050

Report Authorization (/S/ is an electronic signature that complies with 21 CFR Part 11)

Method	Analyst	Peer Review
NIOSH 9111	/S/ Christopher Winter 09/14/2018 12:44	/S/ Stephen Brose 09/14/2018 13:08

Laboratory Contact Information

ALS Environmental
 960 W Levoiy Drive
 Salt Lake City, Utah 84123

Phone: (801) 266-7700
 Email: alsit.lab@ALSGlobal.com
 Web: www.alsinc.com

Low Level Result Example

Sample ID: S#339	Collected: 03/04/2014		
Lab ID: 1406661009	Received: 03/07/2014		
Method: Illicit Drugs by LC/MS	Media: Wipe		
Sampling Location: Blackfeet	Instrument: LCMS06		
Sampling Parameter: Area 100 cm ²	Analyzed: 03/12/2014		
Analyte	ug/sample	ug/100cm ²	RL (ug/sample)
Methamphetamine	0.47	0.47	0.050

High Level Result Example

Sample ID: SC#28-5	Collected: 05/28/2014		
Lab ID: 1415141005	Received: 05/31/2014		
Method: NIOSH 9111	Media: Wipe		
Sampling Location: Blackft	Instrument: LCMS06		
Sampling Parameter: Area 100 cm ²	Analyzed: 06/05/2014		
Analyte	ug/sample	ug/100cm ²	RL (ug/sample)
Methamphetamine	8.2	8.2	0.10

Demolition

- ▶ Depending on the contamination levels demolition can range from minor to major
- ▶ Every demo requires the removal of all porous materials(Cabinets, windows, interior doors, trim, etc.), including all appliances, light switches, covers and fixtures
- ▶ In most cases HVAC system will need to be replaced or cleaned
- ▶ Minor demo may only require stripping one or two walls to the sheet rock
- ▶ Major demo may require removing all materials down to wall and floor studs

Cleaning Up The Mess

<https://www.bing.com/videos/search?q=meth+remediation+video&&view=detail&mid=EBDF594A2F9EB3C26EC2EBDF594A2F9EB3C26EC2&&FORM=VRDGAR>



Demo to Sheet Rock



Demo to Studs

Disposal

- ▶ Disposal of hazardous materials should follow local laws and regulations.
- ▶ Advise TDHE contact local landfill
- ▶ Workers should always wear PPE protective gear such as Tyveks suits, gloves, respirators and shoe covers.
- ▶ When disposing of materials the burrito wrap technique is used.



Wash/Cleaning

- ▶ Units with low contamination levels are able to be washed
- ▶ Washing a low level unit consists of using the 3-2-1 method
- ▶ Being able to just wash a unit can cut overall costs considerably
- ▶ If the unit does not pass the clearance test further remediation may be required

Preparation for 3-2-1 Method

- ▶ Develop Clean-up Plan
- ▶ Remove all items that will not be cleaned
- ▶ i.e. electrical covers, light fixtures, carpet, porous materials (unsealed), HVAC system (will vary for different systems and areas), wood frame windows, appliances, all personal items left by tenant
- ▶ Ideally cleaning would start in back room and proceed to front of unit to prevent cross contamination

3-2-1 Wash Method

- ▶ Step 1 – Spray cleaning mixture on all surfaces
- ▶ Step 2 – Vacuum all surfaces (Hepa Filter)
- ▶ Step 3 – Rinse off all Surfaces
- ▶ Step 4 – Repeat Steps 1-3 two more times

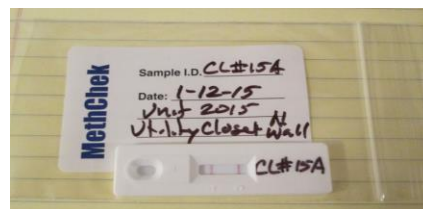
- ▶ Cleaning Solution: Dawn Dish Soap, Vinegar and Water
- ▶ Ratio: 1.5 cups of Dawn, 2 cups vinegar, 3 Gallons of water



Washing a Unit with Low Contamination Levels

Clearance Testing

- ▶ After washing a unit a clearance test is required to ensure all contaminants are removed
- ▶ If the unit fails, the clearance test further remediation is required
- ▶ Possible re-wash or demo may be needed



Clearance Testing Complete

- ▶ Ideally, a partnership with the Tribal EPA Department would allow for final clearance testing and final report to be completed by an outside party.
- ▶ Noting this may not be an option, TDHE should maintain testing staff independent of the cleaning process.
- ▶ Methodology is that an individual testing should not test their own work

Record Keeping

- ▶ Record keeping is key for a TDHE to track and monitor testing of units.
- ▶ All testing records are maintained by Environmental Department (Security Department)
- ▶ All unit tests are ordered by the Occupancy Department
 - Assures that unit history is in tenant/unit file
 - Holds department accountable for monitoring units that need to be tested

Record Keeping Cont.

- ▶ Security Department provides all security reports to Occupancy Department. Security reports involving drugs are identified & prioritized for testing
- ▶ Occupancy Department requests Environmental test (Meth) from Environmental Department (Security Department) with an inter-office memo (Communication is key for tracking units and safety of staff)
 - Alerts staff that unit is not to be entered until testing is complete

Record Keeping Cont.

- ▶ Environmental Staff (Security Department) conducts testing of unit.
 - Notification is sent to Occupancy Department and all other departments
- Negative Unit enters Renovation Process
- Positive Unit- Environmental Staff issues inter-department memo that unit is positive & must be remediated

**BLACKFEET HOUSING
MOVE OUT POSITIVE UNIT**

DATE: April 25, 2018 **TIME:** 8:52 AM

TO: MAUREEN/LYLE **DEPART.:** SECURITY/MAINT.

cc: CHANCY, ANNA O., POLY, OPAL, MARGIE, YVONNE, SANDI, FILE


UNIT #: 1211 **M/O DATE:** 4/24/2018

DESCRIPTION: M/O due to Termination. Do not assign or process until further notice

ENVIRONMENTAL TEST POSITIVE DATE: 11/15/2017


EXTERMINATION DATE: ?

POSITIVE: **NEGATIVE:**

TAKEN BY: SRC 

Record Keeping Cont.

- ▶ Environmental Staff will develop a clean-up plan for unit
- ▶ Occupancy & Environmental staff will create a file that has all pages numbered; 1 of 40, 2 of 40, 3 of 40, etc.
- ▶ Environmental staff will provide notice to departments when unit passes final clearance testing. Unit will then enter the renovation process



BLACKFEET HOUSING
PO Box 449 Browning, Montana 59417 (406)-338-5031 www.blackfeethousing.org

DATE: June 8, 2016

TO: OPAL BOGGS, LEASE PURCHASE

FROM: MAUREEN SALOIS, SECURITY SUPERVISOR

SUBJECT: UNIT #1754

UNIT #1754 HAS BEEN CLEARED WITH THE 3WASH METHOD. THIS UNIT IS CLEARED OF ALL ENVIRONMENTAL SUBSTANCES. UNIT IS READY TO BE PUT BACK IN RENOVATION PROCESS.

Record Keeping Cont.

- ▶ Environmental staff will maintain a list of all units tested

Updated 4/5/18

Units That Tested Positive for Methamphetamine

	Unit #		Date Tested	Date Cleared
1	5006		10/12/2011	4/25/2012
2	2214		10/11/2011	6/13/2012
3	4642		1/13/2012	8/14/2012
4	5008		2/15/2012	9/14/2012
		2nd	4/14/2014	8/8/2014
5	2008		9/16/2012	10/9/2012
6	5037		10/11/2011	11/5/2012
7	5720		5/11/2012	11/5/2012
8	112		3/5/2012	11/16/2012
9	1211		2/14/2012	11/16/2012
10	5906		10/11/2012	12/7/2012
11	1433		2/14/2012	2/11/2013
12	4636		8/30/2012	2/27/2013
13	1221		10/1/2012	3/25/2013
14	2306		12/1/2011	6/11/2013

15	632		9/23/2012	6/18/2013
16	733		10/4/2012	8/15/2013
17	1403		2/1/2013	10/1/2013
18	4543		1/28/2013	10/1/2013
19	5007		11/15/2012	10/1/2013
20	5915		3/13/2014	4/2/2014
21	625		4/30/2013	7/24/2014
22	642		2/12/2014	7/24/2014
23	623		11/1/2013	7/24/2014
24	110			7/30/2014
25	5010		3/13/2014	8/4/2014
26	633		3/4/2014	8/4/2014
27	5027		6/4/2013	8/13/2014
28	5028		5/28/2014	9/5/2014
29	2026		3/11/2014	10/8/2014
30	635		5/22/2013	10/17/2014
31	636		12/11/2013	10/10/2014
		2nd	5/13/2015	6/16/2015
32	1405		10/30/2013	11/19/2014
		2nd	3/27/2015	4/16/2015
33	646		7/24/2013	11/5/2014
34	1850		6/2/2014	12/9/2014
35	1831		6/19/2013	12/12/2014

91	135			10/25/2016	6/13/2017
92	632			11/15/2016	6/12/2017
93	140			2/28/2017	6/13/2017
94	4617			6/14/2017	10/5/2017
95	643			6/14/2017	10/26/2017
96	725			6/14/2017	9/12/2017
97	5028			6/14/2017	9/6/2017
98	720			6/14/2017	10/11/2017
99	2206			6/14/2017	10/12/2017
100	1811			6/14/2017	10/4/2017
101	4902			6/19/2017	10/5/2017
102	1841			6/21/2017	7/11/2017
103	2204			7/12/2017	10/24/2017
104	1421			8/21/2017	10/24/2017
105	6003			9/18/2017	10/18/2017
106	1831			10/30/2017	
107	1211			11/15/2017	
108	117			11/21/2017	12/11/2017
108	2408			1/16/2018	
109	1808			1/16/2018	
110	735			1/16/2018	4/2/2018
111	743			4/2/2018	
112	4550			3/16/2018	

Updated 4/5/18

Units That Tested Negative for Methamphetamine

Unit #	Date Tested	
100 BLOCK		
1	101	6/25/2014
2	2nd	2/1/2016
3	102	3/5/2013
4	2nd	12/8/2015
5	104	1/25/2013
6	105	11/14/2012
7	107	8/28/2012
8	108	9/24/2014
9	109	3/21/2012
10	2nd	9/10/2014
11	110	7/30/2014
12	111	8/28/2013
13	112	9/26/2014
14	113	2/11/2015
15	2nd	4/9/2015
16	114	4/7/2014
17	116	3/29/2012
18	117	9/21/2012
19	118	3/6/2012

411	5913		7/14/2015
412	5925		4/5/2013
6000 BLOCK			
413	6005		7/20/2015
414	6007		3/16/2015
415		2nd	2/17/2016
416	6008		2/22/2016
417	6016		11/5/2014
7200 BLOCK			
418	7203		10/18/2012
419	7206		6/14/2011
420	7211		3/16/2015
421		2nd	8/4/2016
422	7213		2/21/2012
423	7214		9/3/2014
MISC. BLOCK			
424	Brewster Ranch		2/4/2015
425	Thomas N		9/21/2012
426		2nd	1/15/2014
427		3rd	9/18/2014
428	Thomas S		1/15/2014
429		2nd	9/9/2014
430	802		12/13/2016

Record Keeping Cont.

- ▶ Environmental staff tracks hours & material costs (test kits, gloves, PPE, cleaning supplies, etc.) which are provide to the Renovation department
- ▶ Renovation department maintains total cost of repairs to restore unit to a habitable state
- ▶ Costs are recorded and input into the TDHE's software

Record Keeping Cont.

- ▶ Tracking costs is important to restrict tenants from future rental opportunities
- ▶ Tracking costs is also important for the TDHE to identify the financial impacts meth is causing on an already strained budgets. May also be helpful in the event alternative resources are identified

Managing Meth Costs

Meth is not going away

Construction for Meth?

- ▶ TDHE's are forced to mitigate meth costs with an already underfunded budget
- ▶ Increase internal capacity/save \$\$\$
- ▶ New construction materials, sealed products can be cleaned
 - Melamine products
 - Epoxy sealed doors & cabinets
 - Vinyl windows (Chinook window) local dealer

HVAC Systems

- ▶ HVAC systems are high cost replacement items
- ▶ \$4k – \$8k(Equipment and specialized labor)
- ▶ TDHE may consider alternative heat sources that are cost effective to replace
 - Picowatt heaters
 - Wood stoves
 - Radiant heat systems (i.e. in floor heating)
- ▶ TDHE HVAC staff; Maintenance/Training Program

Light Bulbs

- ▶ Partnerships with local energy suppliers through grants
- ▶ Replace standard incandescent light bulbs

▶ **Compact Fluorescent Light Bulbs - 23 Watt**



SYLVANIA®

Last 10 times longer and use 75% less energy than standard bulbs.

- Not dimmable.
- Color: warm white.
- [Recycling Kit](#) available.

Multi-Family Housing

- ▶ “It wasn’t me, it was my neighbor”
- ▶ “The meth came through the wall”
- ▶ Duplex, Tri-Plex, Four-Plex, etc.
 - Are partition walls present in basement and attic?
 - Is the HVAC system a shared system or individual system?

PREVENTION EFFORTS

AWARENESS

Meth Changes Everything South Dakota

<https://www.bing.com/videos/search?q=meth+stories&&view=detail&mid=D491C12760810035A80CD491C12760810035A80C&&FORM=VDRVRV>

Montana Meth Project



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