

Subject: RE: Methamphetamine report to New Zealand government - REVIEW?
Date: Saturday, 14 April 2018 at 4:47:25 AM New Zealand Standard Time
From: Snawder, John E. (CDC/NIOSH/DART)
To: Anne Bardsley
Attachments: WORKING DRAFT - PMCSA Methamphetamine report 13 April +refs_jes.docx

Hello Anne

I hope you survived Friday the 13th OK. Half-way through the day so far and no problems. Attached please find my review and comments. They are very minor and I tried to be careful not to confuse US English with New Zealand English.

I think this is a fine, well considered and scientifically rational document. You have done good work. Please keep in touch

Cheers!
John

John E. Snawder, Ph.D., D.A.B.T.
Leader, Biomonitoring Research Team
National Institute for Occupational Safety and Health
MS-C26, 1080 Tusculum Ave., Cincinnati, OH 45226

From: Anne Bardsley <a.bardsley@auckland.ac.nz>
Sent: Thursday, April 12, 2018 10:58 PM
To: Snawder, John E. (CDC/NIOSH/DART) <js5@cdc.gov>
Subject: Re: Methamphetamine report to New Zealand government - REVIEW?

Hi John

Thanks for the prompt response, tomorrow would be great. I'm just fixing up some referencing issues and can send an updated version shortly

Cheers
Anne

From: "Snawder, John E. (CDC/NIOSH/DART)"
Date: Friday, 13 April 2018 at 2:55 PM
To: Anne Bardsley <a.bardsley@auckland.ac.nz>
Subject: Re: Methamphetamine report to New Zealand government - REVIEW?

Hi Anne

I planned to send comments tomorrow (my Friday). Perhaps if you send the latest I will get it back to you by noon my time and it will be waiting for you at breakfast. Sorry I couldn't do it sooner.

J

Sent from my BlackBerry Smartphone on the Verizon 4G LTE Network
From: a.bardsley@auckland.ac.nz
Sent: April 12, 2018 10:43 PM
To: .
Subject: Re: Methamphetamine report to New Zealand government - REVIEW?

Hi John

I'm just checking whether you have had a chance to look at our report.

It has gone through some changes since the version I sent, but comments on the one you received will still be appreciated if you have any.

We will be sending a near-complete draft later today to the agency that requested the report. The final draft is due on Monday (our time – so Sunday for you). I can still incorporate changes over the weekend but am hoping to have most comments in before the draft that we will send today.

If you would like to see a more advanced draft, please let me know.

Kind regards,
Anne

Anne Bardsley, PhD
Research Analyst

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Phone 09 923 6346 | Mobile 027 630 2296 | www.pmcsc.govt.nz

From: Anne Bardsley <a.bardsley@auckland.ac.nz>
Date: Monday, 9 April 2018 at 2:01 PM
To: "Snawder, John E. (CDC/NIOSH/DART)"
Subject: Re: Methamphetamine report to New Zealand government - REVIEW?

Thanks John, the report is attached.

This version is missing the Executive Summary, which I'm working on; it will provide a simple, plain-language summary of the main points – and is likely to be the only part the public will read! The main doc is mostly for policymakers but is also meant to be fairly accessible. Further detail is provided in the Appendix (section 7).

Many thanks in advance,
Regards,
Anne

From: "Snawder, John E. (CDC/NIOSH/DART)"
Date: Monday, 9 April 2018 at 12:45 PM
To: Anne Bardsley <a.bardsley@auckland.ac.nz>
Subject: Re: Methamphetamine report to New Zealand government - REVIEW?

Hello Anne
Sure I will give it a look.
John

Sent from my BlackBerry Smartphone on the Verizon 4G LTE Network

From: a.bardsley@auckland.ac.nz
Sent: April 8, 2018 5:20 PM
To: .
Subject: Re: Methamphetamine report to New Zealand government - REVIEW?

Hi John

I have a draft of our report which is ready for review. We would like to get some international feedback, so I am wondering if you would be willing to have a look at it?

We have been pushed to get the report together in time to inform an upcoming decision on an amendment to laws around residential tenancies, which involves some prescriptive meth testing, so it feels a bit rushed to me but I think the key messages are there. Our main remit was to assess the health risks in the New Zealand context and provide some guidance as to how/when/if to apply the recent NZ standard. I would like to spend some more time analysing testing regimes so that we can be more specific (and we may still be asked to do so) but for now there is not much detail in this draft. Nevertheless I think your perspective would be very useful.

Let me know you have time to have a look at it this week – it is not overly long (main text ~16 pages + 4pp appendix + refs) – and if so I will send the draft.

Many thanks
Anne

Anne Bardsley, PhD
Research Analyst

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From: "Snawder, John E. (CDC/NIOSH/DART)"

Date: Tuesday, 3 April 2018 at 5:10 AM

To: Anne Bardsley <a.bardsley@auckland.ac.nz>

Subject: RE: Methamphetamine rapid tests - info for report to New Zealand government

Here is the McFadden article.

From: Snawder, John E. (CDC/NIOSH/DART)

Sent: Monday, April 2, 2018 8:08 AM

To: 'Anne Bardsley' <a.bardsley@auckland.ac.nz>

Subject: RE: Methamphetamine rapid tests - info for report to New Zealand government

Hi Anne

Things like this seem to happen and perpetuate. You can look at a few SDS's for neat product and some say no data, others say mild irritation. The GHS classification is a 3 for irritation to skin/eyes/respiratory. But, the latter two are also pretty good routes for the neurological effects. Methamphetamine is a secondary amine, and they are traditionally thought of as caustic or irritating, so as a chemical class, it likely is irritating. I think a lot of the symptom description does go back to some of the first reports regarding first responders and poison control centers. They all report eye/respiratory irritation but it's

not clear if it is clandestine labs in general or the product itself. I think it's labs in general esp. traditional batch cooks with Red P or anhydrous cooks. Those cooks generated some large concentrations of some pretty nasty stuff like phosphine, iodine, HCl, ammonia etc.

A few references to complicate things more:

Burgess JL, Barnhart S, Checkoway H. Investigating clandestine drug laboratories: adverse medical effects in law enforcement personnel. Am J Ind Med. 1996 Oct;30(4):488-94.

Burgess JL. Phosphine exposure from a methamphetamine laboratory investigation. J Toxicol Clin Toxicol. 2001;39(2):165-8.

Burgess JL, Kovalchick DF, Seigel EM, et al. Medical surveillance of clandestine drug lab investigators. J Occup Environ Med. 2002;44:184-189.

McFadden, Diane, Kub, Joan, Fitzgerald, Sheila Occupational Health Hazards to First Responders from Clandestine Methamphetamine Labs. Journal of Addictions Nursing. 2006 vol:17 iss:3 pg:169-173

Witter RZ, Martyny JW, Mueller K, Gottschall B, Newman LS. Symptoms experienced by law enforcement personnel during methamphetamine lab investigations. J Occup Environ Hyg. 2007 Dec;4(12):895-902.

John

From: Anne Bardsley <a.bardsley@auckland.ac.nz>

Sent: Sunday, April 1, 2018 2:59 PM

To: Snawder, John E. (CDC/NIOSH/DART)

Subject: Re: Methamphetamine rapid tests - info for report to New Zealand government

Hi John

Thanks again for the discussion the other day. I'm writing about clan lab hazards vs hazards of meth itself and stumbled across this (from California OEHHA in 2003). This is the only document I've seen that specifically notes methamphetamine itself as "irritating to skin, eyes, upper respiratory tract." (under 'Acute Effects').

<https://oehha.ca.gov/media/downloads/risk-assessment/factsheet/methamphetamine20fact20sheet20meth20labs2010270327.pdf>

Do you know of any other documentation of these effects? I have not found anything on ATSDR or other such sources.

I'm assuming this is a few referring to contacting large amounts from a meth lab, and not residues on surfaces as we discussed? Or would high enough levels do this?

Thanks again for your help.

Regards,
Anne

Anne Bardsley, PhD
Research Analyst

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From: "Snawder, John E. (CDC/NIOSH/DART)"
Date: Friday, 30 March 2018 at 9:31 AM
To: Anne Bardsley <a.bardsley@auckland.ac.nz>
Subject: RE: Methamphetamine rapid tests - info for report to New Zealand government

Amazing Amazon! https://www.amazon.com/Single-Panel-Methamphetamine-Drug-Cassette/dp/B00SGXESS5/ref=sr_1_3?ie=UTF8&qid=1522355304&sr=8_3&keywords=methamphetamine+drug+test

From: Anne Bardsley <a.bardsley@auckland.ac.nz>
Sent: Thursday, March 29, 2018 3:09 PM
To: Snawder, John E. (CDC/NIOSH/DART)
Subject: Re: Methamphetamine rapid tests - info for report to New Zealand government

Thanks John, I will have a quick look at the papers. I have seen the SHEDS model as used to derive the CA reference dose; the links look helpful for further understanding.

Talk to you very soon!
Anne

Anne Bardsley, PhD
Research Analyst

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From: "Snawder, John E. (CDC/NIOSH/DART)"
Date: Friday, 30 March 2018 at 6:54 AM
To: Anne Bardsley <a.bardsley@auckland.ac.nz>
Subject: RE: Methamphetamine rapid tests - info for report to New Zealand government

Hello Anne
Hope you are well. In preparation for today's call I meant to send the Back-up Data Reports for the NMAM methods 9106, 9109 and 9111. Another thing that may be of use is the USEPA SHEDS model of dermal uptake (<https://www.epa.gov/chemical-research/stochastic-human-exposure-and-dose-simulation-sheds-estimate-human-exposure>) we worked a little with that regarding clean-up workers.
John

From: Anne Bardsley <a.bardsley@auckland.ac.nz>
Sent: Tuesday, March 20, 2018 6:36 PM
To: Snawder, John E. (CDC/NIOSH/DART) <
Subject: Re: Methamphetamine rapid tests - info for report to New Zealand government

Fantastic. Thank you.