

**Colorado State Patrol  
Troop 8-C, Hazardous Materials  
Transport Safety and Response**



**DMIS - Use it . . . or lose it!**



# CSP - HMTSR

- Responsible for hazardous materials enforcement (safety) and response.
- 1983 - DERA. Response authority to hazardous substance incidents.
- 1987 - HMTA. Routing and rulemaking authority.
- 1990 - 11 full-time (two person) HM response and enforcement teams created.
- 1993 - Added an additional team for a total of 12.



# CSP - EM/IM SOFTWARE

- Prior to 9/11/01 - Establish a state level system for incident management and resource allocation.
- Needed to share information and manage incidents at all levels of government statewide.
- Invested resources (budget, time, and personnel) in EIS<sup>®</sup> and OpsCenter<sup>®</sup> software applications.
- Lots of bells and whistles, not user friendly, and data management intensive.
- Cost prohibitive!



# CSP - DMIS

- December 2001 - OPSFS established by Executive Order.
- After 9/11/01 - Critical need to share incident information at all levels of government.
- 2003 - Established DMIS as an incident tracking system.
- User friendly, limited bells and whistles.
- National foot print.
- Cost - Free!
- Does not compete with existing EM/IM software applications. It compliments them!



# CSP - DMIS

- Provides convenient information sharing with stakeholder agencies.
- CDPHE, CDOT, and DVMA (CNG/CST)
- Routinely sharing HM incident information on-line saves administrative time.
- Provides constant familiarity with use of DMIS and its functions. Use it, or lose it!
- Promoting use within CSP Troops and Regional Communication Centers, and Regional Response Teams .
- Promoting use by the EPA Denver (Region 8).
- EPA and CDEM currently using WebEOC.



## Troop 8-C, Hazardous Materials Transport Safety and Response

Attached photographs of the incident provide a view of the scene to provide stakeholders with a better understanding of the severity of the incident and its potential impacts to public health and safety, and the environment.



# Troop 8-C, Hazardous Materials Transport Safety and Response

The screenshot displays a computer desktop with several windows. On the left, a file explorer window titled "Incident - Fuel Spill (... (05128C10))" shows a list of attachments. The main area contains two Adobe Acrobat Standard windows, both displaying the same PDF document: "Colorado State Patrol HAZARDOUS MATERIALS INCIDENT REPORT". The report form is filled out with the following information:

**Colorado State Patrol HAZARDOUS MATERIALS INCIDENT REPORT**

Agency Incident Number: 05128C10  
Incident Date: 12/20/2005  
 Initial Report  Supplemental Report

AGENCY NAME: Colorado State Patrol	AGENCY INCIDENT #: 05128C10	AGENCY PHONE #: 303-239-4546
INCIDENT DATE: 12/19/2005	INCIDENT TIME: 0910	NOTIFIED TIME: 0915
ARRIVAL TIME: 1007	TIME COMPLETE: 1530	CITY/TOWN: COUNTY & #: 54
LOCATION ADDRESS, ROUTE, STREET, OR ROAD: Southbound U.S. Hwy 285	ROAD CODE: H285	MILEPOST: 228
DISTRICT: 2	TRPOOP: A	
MILE: FEET: N 39 27 737 W 105 24 079	OP. ROUTE, STREET, ROAD, OR MILEPOST: Milepost 228	
RESPONSIBLE: Injured No Missed No OTHERS: Injured Yes RECAL No FUTURE: Yes		
INCIDENT TYPE: Hazard Release Highway Transport		
RELEASE FACTORS: Collision/Overturn Accidental Release		
TYPE OF EQUIPMENT INVOLVED: None	MOBILE PROPERTY TYPE: Freight Vehicle	
WAS WEATHER A FACTOR? YES NO WEATHER: Clear		
ACTIONS TAKEN: Investigate Mitigation		
PROPERTY USE: Address/Rm: Federal/Interstate	Alphabet Area: State Highway	
CARRIER/FACILITY NAME: Egan Transport Corporation	PHONE #: 303 321 5708	
ADDRESS: 666 Grand Avenue, Des Moines IA 50309	FAX #: 303 321 5516	
DRIVER/CONTACT'S NAME (Last, First, MI): McMillan, Jared E.		
ADDRESS: 15789 Princeton Pl., Aurora, CO 80013		
INSURANCE COMPANY: Great West Casualty		
POLICY #: GWP 01565E	PHONE #: 720 981 9601	
VEHICLE #: PT6557	STATE: IA	MAKE: Freightliner
YEAR: 2000	VIN: 1FU1DX2Y8VFP40206	VEHICLE POWER UNIT TYPE: Trunk Tractor
USDOT #: 55782	HM PERMIT #: HMP00066	NUCLEAR PERMIT:
TRAILER LIC #: EN28805	STATE: IA	TRAILER LIC #: STATE:
TRAILER # LIC #: STATE:	TRAILER TYPE: L	
DEFECTIVE VEHICLE: Yes No	ACCIDENT: Yes No	

Attached incident report provides detailed information concerning the incident, e.g., material released, company and/or vehicles involved, location, assisting agencies, etc.



# Troop 8-C, Hazardous Materials Transport Safety and Response

Attached narrative reports provide detailed information concerning the incident response and mitigation.

**Colorado State Patrol  
Hazardous Materials Transportation Safety & Response**

Case Number	Connecting Case #	Report Type
05128C10	2A 05 2047	Officer's Supplemental Narrative
Date	Time	Location
12/19/05	0915	Southbound U.S. Highway 285 near Milepost 228

On December 19<sup>th</sup>, 2005 at approximately 0915 hours, I received a communication from the Colorado State Patrol's Denver Communication Center. They advised me of and requested my response to a reported tractor/trailer collision with a Hazardous Material release, located on US Highway 285 near milepost 228, in the County of Park, State of Colorado. I was informed that Technician K. Darrak of the Colorado State Patrol's HAZMAT team would be responding to the location as well for assistance.

While in route to the location, the communication center advised that the release involved diesel fuel from the vehicle's fuel tanks and Calcium Chloride. I was then advised via radio that the diesel fuel and product were mixing. Later, while still in route, I was informed that the product was Potassium Chlorate. Before arrival, it was confirmed through the communication center that the spilled product was Calcium Chloride. Based on available information, the reported solution was used as an ice melt type solution and is not listed in the *NIOSH* manual or regulated by the Department of Transportation.

I responded and arrived to the location at approximately 1007 hours. Upon arrival, I observed multiple Fire & Response units already on location. I located and spoke with the *Incident Commander*, the Chief of Elk Creek Fire. He confirmed with me that the product was Calcium Chloride and that the product was leaking along with diesel fuel from the tanks of the vehicle. Too, he then informed me that he had a HAZMAT unit at the rolled over tank, attempting to seal the leak of Calcium Chloride.

I approached the rolled over vehicle and then observed that the vehicle was on its left side, and appeared to have been traveling southbound on the roadway, when it ran off the right side and rolled. The vehicle was a tractor/tanker combination and also appeared to be aluminum MC307 style tank. As I approached, I observed the HAZMAT members, working around the dome cover of the tank, applying a plug and dike material around the dome. The material appeared to hold and I observed no leakage at the time. I then observed that the vehicle's left fuel tank had been ruptured and was empty. Too, the right fuel tank also was empty and there were no other signs of leakage from the area. I did not observe any waterway near the area and nothing in immediate threat.

After initial assessment and seeing that any immediate threat had been minimized, I approached and spoke with Colorado State Trooper: Corporal Gary Rhoads; and Trooper Martin Kenney, already on location. I asked Corporal Rhoads if any driver or vehicle information had been obtained.

Date of Report	Investigator/IBM#	Supervisor/IBM#	Page
12/20/05	C Beavride: 0894	Sgt. A. Driscoll	1 of 3



## Troop 8-C, Hazardous Materials Transport Safety and Response

The screenshot displays a GIS application window titled "Incident - Fuel Spill (... (05128C10) - Map". The interface includes a left-hand sidebar with a tree view of incident information, a central map area showing a satellite view of a terrain with a red arrow pointing to a specific location, and a right-hand sidebar with a legend and a list of incident symbols. The map area also shows a street map overlay with labels for roads like "Silver Springs Rd" and "Highway 128".

**Incident Information:**

- Incident Number: 05128C10
- Incident Name: Fuel Spill (Die
- Date/Time of Incident: 12/19/2005 0

**General Information:**

- Incident Number: 05128C10
- Incident Name: Fuel Spill (Die
- Date/Time of Incident: 12/19/2005 0

**Legend:**

- Turner, Allan M.
- Plotted Locations
- Sites
- Medical Facility
- Shelters
- Specific Needs
- Property Damage
- CO CSP HAZMAT
- DOQ (connecte
- CO Colorado OPS

**Map Labels:**

- Jones Creek
- Mojave Tri
- Modhawk
- Mohawk Tri
- Navajo Tri
- Pima Tri
- Sioux
- Wandcrest
- Everett
- Will-O-The-Wisp
- Silver Springs Rd
- Forest Rd
- Olive Ave
- Kurt Ave
- Silver Springs
- Chimney Ranch
- Jubilee Tri
- Highway 128
- Park Ave
- S Wandcrest Dr
- Mandcrest Park Ave

**Table Headers:**

Type	Name	Address Line 1	Address Line 2	City	State	Zip	Latitude
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**Table Content:**

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**Table Headers (Bottom):**

Address Line 2	City	State	Zip	Latitude
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**Status Bar:** Ready | View | Connected | Mountain Standard Time

Availability of maps and satellite images provides a detailed understanding of the incident scene and surrounding area. CSP HM Teams use handheld GPS devices to identify the incident's coordinates



## Troop 8-C, Hazardous Materials Transport Safety and Response

DMI-Services - turnera on CO CSP HAZMAT

File DMI-Services Window Help

Refresh Save Map ... Save Settings Home Zoom In Zoom Out West East North South Details ...

National Incident Summary Map

Colorado is currently being used as a selected region of the National Incident Summary Map (NISM) to demonstrate how a COG can visually track all incidents within its area of responsibility.

Incident Name	Incident Type	Incident Date/Time	
Fuel Spill (Diesel)	Transportation-Land Vehicle	12/23/2005 01:15 PM	A semi-tractor/trailer c
Fuel Spill (Diesel)	Transportation-Land Vehicle	12/21/2005 04:00 AM	A semi-tractor/trailer c
Product Spill (Ethylene Glycol)	Transportation-Land Vehicle	12/27/2005 07:32 AM	A semi-tractor/trailer c
CO CSP HAZMAT 05128C13			
CO CSP HAZMAT 05128C07			
Product Spill (Diesel)	Transportation-Land Vehicle	12/11/2005 07:15 PM	A semi-tractor/trailer r

Found 19 core incident records with primary sites ...

View Connected Mountain Standard Time



## Troop 8-C, Hazardous Materials Transport Safety and Response

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### Contact Information:

Captain Allan M. Turner

Colorado State Patrol

Troop 8-C, Hazardous Materials Transport Safety and Response

700 Kipling Street, Suite 1000

Denver, CO 80233

Office Phone: (303) 239-4546

E-mail: [allan.turner@cdsp.state.co.us](mailto:allan.turner@cdsp.state.co.us)

COG: CO CSP HAZMAT