

DDAS Accident Report

Accident details

Report date: 06/03/2011	Accident number: 669
Accident time: 06:50	Accident Date: 19/08/2009
Where it occurred: MF 411, Al Shajarah Village, Alramtha Province	Country: Jordan
Primary cause: Unavoidable (?)	Secondary cause: Unavoidable (?)
Class: Excavation accident	Date of main report: Not recorded
ID original source: None	Name of source: Demining group
Organisation: [Name removed]	
Mine/device: M14 AP blast	Ground condition: grass/grazing area
Date record created:	Date last modified: 06/03/2011
No of victims: 1	No of documents: 2

Map details

Longitude:	Latitude:
Alt. coord. system:	Coordinates fixed by:
Map east: 35.954988 E	Map north: 32.675963 N
Map scale:	Map series:
Map edition:	Map sheet:
Map name:	

Accident Notes

no independent investigation available (?)
standing to excavate (?)
use of rake (?)
long handtool may have reduced injury (?)
non injurious accident (?)

Accident report

An internal demining group accident report was made available. The conversion into a DDAS file has led to some of the original formatting being lost. Text in square brackets [] is editorial.

The internal report is reproduced below, edited for anonymity.

INCIDENT INVESTIGATION [Demining group] – MINE ACTION TEAM - JORDAN

TASK NAME AL SHAJARAH 2 (411), NORTH BORDER PROJECT

EAST SECTOR, GRID REF: 32.675963 N: 35.954988 E

MINEFIELD NO- 411, MINEFIELD TASK ID- E 411 AL SHAJARAH 2

INVESTIGATION CONDUCTED BY – [Demining group], [Name removed].

DEMINER: [the Victim]. DATE OF BIRTH: 20/11/1987. NIC NO (ID NUMBER): [removed]

SECTION COMMANDER: [Name removed]. TEAM LEADER: [Name removed].

TEAM: MANUAL TEAM 5. TIME OF INCIDENT: 06:50 AM

DATE OF INCIDENT: 19 AUGUST 2009

NATURE OF INJURY: No Injury. TYPE OF MINE: Anti Personnel M 14

IMSMA DETAILED REPORT FOR MINE INCIDENT Wednesday, 19 August 2009

Part 1 – Description of the incident

1. Organisation name [Demining group], JORDAN Team No: Manual Team 5.
2. Incident date: 19/08/2009, Time: 06:50 AM
3. Location of incident: EAST SECTOR, Province: ALRAMTHA, Village: AL SHAJARAH. Project or task No: E 411 ALSHAJARAH 2
4. Name of site manager or team leader: [Name removed].
5. Type of incident: M14 AP MINE, uncontrolled detonation of a mine.
6. Device was detonated by: deminer
7. Device detonated while: Raking with Heavy Rake
8. Device was found in an area classified as: a known hazardous area
9. Narrative (Describe how the incident happened. Attach additional pages and photographs or diagrams to assist in clarifying the circumstances surrounding the incident):

Deminer Was Clearing the first 60 cm from the centre lane on a depth of 30 cm using the heavy RAKE after he done with the light rake , deminer hit the M14 mine on a depth of 35 cm by the heavy rake which initiate the mine. [The depth appears to be an error, and should perhaps be 15cm.]

Part 2 – Injuries

10. Did the incident result in any injuries? No
11. List people injured and nature of injury: [None]

Part 3 – Equipment damages

12. Did the incident result in any damage to equipment or property? No
13. List any mine action equipment or property damage: [None]
14. List damage to equipment or property owned by a member of the public or the government. [None]

Part 4 – Explosive hazard

15. Provide details of mines/UXO/ other devices that were involved in the incident.

Device Type: Method: Determined by:

AP (Blast) Mine Buried RAKING

16. State specific device (if known): M 14 AP MINE

17. Comments (include measurements of any crater resulting from the explosion): Crater
Depth: approx. 15 cm / Width: approx. 40 cm



[Accident site]

Part 5 - Site conditions

18. Describe the conditions at the site at time of the incident

Ground/Terrain: Hard, Flat

Weather: Clear, Hot

Vegetation: Medium, Grass

Part 6 – Team and task details

20. Qualifications of Member(s) involved in the incident:

Name	Position in Location	Occupation
[the Victim]	Deminer	Manual Team 5

21. How long had this team been?

- a. At this site? 1 day
- b. working on this task? 1 day
- c. working on the day? 50 Minutes

22. Detector type: N/A. Tripwire feeler used? No

23. Hand tool: HEAVY RAKE

24. PPE: Vest, Visor, [Blast boots]

25. Comments: [None]

Part 7 - Medical & First Aid

Medical treatment required? yes

26. Medical Support at Incident Site: Medic, 1st Aid Kit, Stretcher, Ambulance, Safety Vehicle, Radio to call forward medic

27. Was a Mine Incident Drill carried out? Yes

28. Time and distance data

a. Time from incident to SECTION MEDICAL POINT: (01) minute

b. Time spent at site administering treatment: (17) minutes

c. Time from evacuation FROM to arrival King Abdullah Hospital: 25 minutes

Part 8 – Reporting procedures

Reported by: [Name removed], [Demining group] Amman Office to: [Demining group] Offices & NCDR

Investigation conducted by: [Name removed], [Name removed]

Report compiled/translated by: [Name removed], [Name removed]

Verified by: [Name removed]

Observations and Recommendations

Incident happened due to an individual mistake when he was trying to drag from the soil, he dragged the mine with a piece of solid soil that caused pressure on the plate and initiate the mine.

Signed: Operations Coordinator, 19 AUGUST 2009

Attachments:

Statements by Injured Members

Statements by Witnesses

Photographs of Incident Site

Copy of Incident Report

Victim Report

Victim number: 852	Name: [Name removed]
Age: 31	Gender: Male
Status: deminer	Fit for work: yes
Compensation: N/A	Time to hospital: 43 minutes
Protection issued: Frontal apron Mask Visor blast boots	Protection used: Frontal aron, Mask visor, blast boots

Summary of injuries:

COMMENT: No injuries recorded. No Medical report was made available.

Statements

Statement 1: The Victim

The team leader asked me to work at the beginning of the centre lane number 9 and I started working in the 1st round after we took the safety brief and work instructions, while am working following all the instructors and using the heavy rake a blast happened, I was working on depth 30 cm cause it's very hard area there, the team leader was in the area when the blast happened and he evacuated me outside the field, I was not hurt and I went to the hospital and everything was fine.

Statement 2: Section Commander

While am checking on de-miners in my round I was at the last de-miner's site when the accident happened with the 1st de-miner, the team leader was around his site, I went there and he was in a good condition and that was at 06:50 am.

Statement 3: Team Leader

While am checking on de-miners on my round I went to the de-miner [the Victim] as he works at the beginning of the field in the 1st round, he finished yesterday ground preparation operations and today he was clearing the area in the center lane, I warned about the area he is working in as a dangerous one and he might hit mines while he is entering the area, he understood then I left his site and was away around 30 m when I heard a sound of explosion from his site, I informed the medic team and went to him to find him standing in a good condition, we evacuated him to the ambulance and the de-miner [Name removed] went with him to the hospital and that was at 06:50 am.

Analysis

The primary and secondary causes of this accident are listed as *Unavoidable* because it seems that the Victim was working as directed when the accident occurred. His distance from the blast and his correct use of PPE meant that he was uninjured.

The demining group who made this report available is thanked for its transparency and its professional concern to share lessons that can be learned from accidents. This record, along with several other records where rakes were used, provide compelling evidence that the controlled use of rakes can be both effective and tolerably safe (eliminating injury or reducing risk of severe injury to tolerable levels).