

8-11-2009

DDASaccident642

Humanitarian Demining Accident and Incident Database
AID

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DDAS Accident Report

Accident details

Report date: 05/03/2011	Accident number: 642
Accident time: 13:40	Accident Date: 11/08/2009
Where it occurred: MF:357, East Sector, Al Bwaib region, Aramtha Province	Country: Jordan
Primary cause: Field control inadequacy (?)	Secondary cause: Victim inattention (?)
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 rocks/stones
Date record created:	Date last modified: 05/03/2011
No of victims: 1	No of documents: 2

Map details

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

Accident Notes

inadequate training (?)
non injurious accident (?)
use of rake (?)
standing to excavate (?)

Accident report

An internal demining group Accident report was made available as a PDF file. The conversion into a DDAS file has led to some of the original formatting being lost. Text in square brackets [] is editorial. This record will be revised as more information becomes available.

The internal report is reproduced below, edited for anonymity.

INCIDENT INVESTIGATION

[Demining group] – MINE ACTION TEAM - JORDAN

TASK NAME AL BWAIB 3 (357), NORTH BORDER PROJECT, EAST SECTOR

GRID REF: 32.58277 N, 36.05429 E, AL BWAIB 3

MINEFIELD NO: - 357, MINEFIELD TASK ID: - E 357 AL BWAIB 3, SECTOR: - EAST,
PLACE: - AL BWAIB, REGION: - AL BWAIB

INVESTIGATION CONDUCTED BY – [Name removed].

DEMINER: [the Victim], DATE OF BIRTH: 08/02/1968, NIC NO (ID NUMBER): [removed]

SECTION COMMANDER: [Name removed].

TEAM LEADER: [Name removed], TEAM: METAL DETECTOR 2.

TIME OF INCIDENT: 01:40 PM, DATE OF INCIDENT: 11 AUGUST 2009

NATURE OF INJURY: No Injury.

TYPE OF MINE: Anti Personnel M14

IMSMA DETAILED REPORT FOR MINE INCIDENT Tuesday, 11 August 2009, EAST
SECTOR, AL B WAIB 3

Part 1 – Description of the incident

1. Organisation name: [Demining group], JORDAN Team No: Metal Detector 2.
2. Incident date: 11/08/2009, Time: 01:40 PM
3. Location of incident: NORTH EAST SECTOR Province: ALRAMTHA, Village: AL BWAIB, Project or task No: E 357 AL-BWAIB 3
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 Light 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):

While the deminer was clearing the lane from stones using the light rake he removed the stones not behind him but he conducted a violation of drill and he threw the stones to the left side of the safe lane and one of the stone hit the unknown mine 12 meters forward to the Syrian side at IOE to the contaminated area resulting mine blast.

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.

Include contact details of the owner or responsible person.

Part 4 – Explosive hazard

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

AP (Blast) Mine, surface, found by RAKING

16. State specific device (if known): Light rake, M14 AP mine

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

Part 5 - Site conditions

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

Ground/Terrain: Flat, hard

Weather: Clear, hot

Vegetation: Medium, bush

Part 6 – Team and task details

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

[The Victim], Deminer, Metal Detector 2

21. How long had this team been?

a. At this site? 2 months

b. working on this task? 2 months

c. working on the day? 1:10 hours

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

23. Hand tool: LIGHT RAKE

24. PPE: Vest, goggles

25. Comments: [None]

Part 7 - Medical & First Aid

26. Medical treatment required? No.

27. Was a Mine Incident Drill carried out? No

28. Time and distance data

a. Time from incident to SECTION MEDICAL POINT (02) minutes

b. Time spent at site administering treatment: nil minutes

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

According to the preliminary investigation the incident is caused due to a human error, the deminer has conducted a violation of drill in place.

Operations Coordinator, [Name removed] 11 AUGUST 2009

Attachments:

Statements by Injured Members

Statements by Witnesses

Photographs of Injuries

Photographs of Incident Site

Copy of Incident Report

Victim Report

Victim number: 825	Name: [Name removed]
Age: 41	Gender: Male
Status: deminer	Fit for work: yes
Compensation: N/A	Time to hospital: N/A
Protection issued: Frontal apron Mask Visor blast boots	Protection used: Frontal apron, Mask visor, blast boots

Summary of injuries:

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

Statements

Statement 1: Deminer (Cause of Blast)

While I'm working in the task Bwaib 3 on the 1st round of the evening period at 13:40 pm I was using the light rake and cleared the lane from stones in front of me and I was working on the left side from the Syrian border, a stone was pulled by the rake to the SML area and dropped on an M14 mine which made the blast, nothing happened to me and the team leader and section commander came with the medic team but thank god I don't suffer from any injury.

Answers to Investigator Questions:

Yes, the section commander checked on my work.

Yes, sweeping with the light rake the stones on the sides is a violation of the procedures I was trained on.

Yes, I swept from the opposite side not the side of the clearance line.

No, I didn't expect the stone to be pulled and make an explosion.

No, I didn't throw the stone by my hand.

Statement 2: Team Leader

I gave the team the safety brief before work starts then I distributed them to their sites and I concentrated on safety procedures and following instructions, when the accident happened I was at lane 10 at the deminer [Name removed], I moved to the accident site in lane 5 after I was informed from the section commander about the accident and that the deminer in a good situation I checked the accident site then informed the sector coordinator and medic team.

Answers to Investigator Questions:

No, I never had a violation in this deminers name that he through the stones and grass to the unclear area.

No, I wasn't informed about his violation.

Yes, using the light rake and the side sweeping is a violation of our work instructions.

Yes, all deminers have their working instruments; iron bucket, scissors and rakes.

Statement 3: Section Commander

I checked on this deminer before two minutes of the accident and while am going to the next deminer at the fence I heard a sound of explosion, I got back to the injured and asked him what happened he told me that he was working with the light rake and a stone was pulled to the other side and dropped on a mine which caused the blast I informed the team leader and he informed the others.

Answers to Investigator Questions:

Yes, I checked on him on his site.

No, I didn't see him using the light rake in the wrong way.

No, I didn't see any stones or bushes on the lane sides.

Statement 4: Witness Deminer

I was working near the injured deminer but on the opposite side to the southern area and there where a safe distance between us, at 13:40 pm I heard a sound of explosion and I turned around to find it with the mentioned deminer, he got out safe and the explosion was far from him then the section commander came and informed team leader and then we were all evacuated from the field.

Answers to Investigator Questions:

Yes, I saw him using the light rake in a wrong way and he was throwing the stones and bushes to the unclear area.

Yes, we were trained on using the rake on the right way.

No, I didn't tell anyone about his violation.

Analysis

The primary cause of this accident is listed as a *Field Control Inadequacy* because the deminer's supervisors failed to notice that he was throwing rocks into the uncleared area, although the deminer nearest to him had noticed this. The deminer appears to admit having used the light-rake incorrectly to avoid admitting throwing the rocks aside. The field supervisors should have spotted his violation of SOPs and corrected him. The secondary cause is listed as *Victim inattention* because it seems likely that the deminer did not think about the dangers associated with throwing rocks into the uncleared area.

The demining group's concern to investigate and share accident reports indicates a commendable professionalism.