

Report on Consultancy Services

Client: CCS Leisure Limited

Consultant: N. Burt

Consultancy type: Risk Assessment

CONTENTS

1. Introduction
 - 1.1 The Brief
 - 1.2 The Workplace
 - 1.3 Method of Risk Assessment
2. Hazards
3. Risk Assessment/Evaluation
4. Conclusions
5. Recommendations

1. Introduction:

1.1 The Brief:

A Risk Assessment as required complying with the Management of Health and Safety at Work Regulations 1999 was carried out so as to achieve compliance with Health and Safety Legislation.

1.2 The Workplace:

The Risk Assessments were carried out at Dungie Woods, which are used as the Paintball site of CCS Leisure Limited. No risk assessments were carried out at the company's administrative offices, which are at the home of the Company Director Mr Stephen Collins.

The Risk Assessments were undertaken on: 18th February 2005

Description of the assessed Workplace:

The area assessed: Woodland site used by CCS Leisure Limited for their Paintball business. The site is mixed woodland with grass-covered arenas and covers approximately 8 hectares.

1.3 Method of Risk Assessment:

The Risk Assessments were undertaken by

- a) visual inspections at the Paintball site
- b) watching the operations and processes
- c) interviewing of members of the public playing Paintball and Game Marshalls
- d) inspection of control measures

**CCS LEISURE LIMITED
RISK ASSESSMENT FORM**

Hazard Reference Number **CCS 001**

Hazard Description

STANLEY KNIFE
Risk of injuries through
- accidental contact with blade

Hazard Category(ies)	Risk Groups
Human error	Outdoor workers


Severity	Frequency	Likelihood
10 - Fatality	4 - Monthly	4 - Fairly unlikely

Existing Controls **Are these controls adequate to contain the hazards?**

PPE: Safety Gloves
Training

Further Controls **Implementation Date**

Safe working practice: Always ensure blade retracted when not in use 3rd March 04
 Always ensure knife stored safely when not in use

ASSESSOR'S NAME	Nigel Burt	DATE	18th Jan 2011
SIGNATURE		REVIEW DATE	17th Jan 2012
JOB TITLE	AB Consultants International		

**CCS LEISURE LIMITED
RISK ASSESSMENT FORM**

Hazard Reference Number **CCS 003**

Hazard Description

GAS BOTTLES - CHANGE
 Risk of injuries through
 - uncontrolled release of pressure
 - uncontrolled moving parts caused by failure of valves/human error
 - loss of control of gas cylinders

Hazard Category(ies)	Risk Groups
Equipment failure Fall of object from height Hazardous substance Human error Manual handling	Outdoor workers


Severity	Frequency	Likelihood
10 - Fatality	4 - Monthly	2 - Very unlikely

Existing Controls **Are these controls adequate to contain the hazards?**

PPE: Safety Gloves, Safety Shoes
 Training

Further Controls **Implementation Date**

Safe working practice: Always ensure another member of staff present 31st March 2004
 when changing gas bottles.

ASSESSOR'S NAME	Nigel Burt	DATE	18th Jan 2011
SIGNATURE		REVIEW DATE	17th Jan 2012
JOBTITLE	AB Consultants International		

**CCS LEISURE LIMITED
RISK ASSESSMENT FORM**

Hazard Reference Number **CCS 004**

Hazard Description

SLIP/TRIP/FALLS
Risk of injuries through
- slipping on spilled liquids
- tripping over debris or rubbish on ground
- tripping over cables / hoses lying across walk ways

Hazard Category(ies)	Risk Groups
Adverse weather Housekeeping/Cleaning Human error Slip/fall	All employees Members of the public


Severity	Frequency	Likelihood
10 - Fatality	10 - Constantly	3 - Likely

Existing Controls **Are these controls adequate to contain the hazards?**

PPE: Safety Shoes

All members of public given basic safety awareness when on site. See also RA playing Paintball

Further Controls **Implementation Date**

ASSESSOR'S NAME	Nigel Burt	DATE	18th Jan 2011
SIGNATURE		REVIEW DATE	17th Jan 2012
JOB TITLE	AB Consultants international		

**CCS LEISURE LIMITED
RISK ASSESSMENT FORM**

Hazard Reference Number **CCS 007**

Hazard Description

REFUELING WITH DIESEL/PETROL/OIL
Risk of injuries through
- inhalation of hazardous substances
- contact with hazardous substances
- fire

Hazard Category(ies)	Risk Groups
Explosion Fire Hazardous substance Human error	Outdoor workers


Severity	Frequency	Likelihood
10 - Fatality	4 - Monthly	2 - Very unlikely

Existing Controls **Are these controls adequate to contain the hazards?**

PPE: Safety Gloves
Training

SWP: Refuelling only performed outdoors in designated no smoking area.

Further Controls **Implementation Date**

ASSESSOR'S NAME	Nigel Burt	DATE	18th Jan 2011
SIGNATURE		REVIEW DATE	17th Jan 2012
JOBTITLE	AB Consultants International		

**CCS LEISURE LIMITED
RISK ASSESSMENT FORM**

Hazard Reference Number **CCS 009**

Hazard Description

PLAYING PAINTBALL
 Risk of injuries through
 - Collision with other players
 - Impact from projectiles (paintballs)
 - Slips and trips on wet & uneven ground (see RA slips/trips/falls)
 - Sudden release of pressure from paint gun propellant (Carbon Dioxide)

Hazard Category(ies)	Risk Groups
Adverse weather Equipment failure Hazardous substance Human error Pressure Slip/fall	All employees Members of the public


Severity	Frequency	Likelihood
10 - Fatality	6 - Daily	4 - Fairly unlikely

Existing Controls **Are these controls adequate to contain the hazards?**

PPE: Safety Glasses
 Safe Working Procedure
 Training

All players receive induction training. Full facial protection given to all game players.
 Supervision of all games by trained marshalls.

Further Controls **Implementation Date**

ASSESSOR'S NAME	Nigel Burt	DATE	18th Jan 2011
SIGNATURE		REVIEW DATE	17th Jan 2012
JOBTITLE	AB Consultants International		

**CCS LEISURE LIMITED
RISK ASSESSMENT FORM**

Hazard Reference Number **CCS 010**

Hazard Description

LOADING PAINTBALL GUNS WITH PROPELLANT (Carbon Dioxide)
 Risk of injuries through
 - Extreme cold from expanding propellant
 - Hazardous substance
 - Sudden release of pressure

Hazard Category(ies)	Risk Groups
Extreme temperatures Hazardous substance Human error Pressure	Outdoor workers

Severity	Frequency	Likelihood
4 - Injury resulting in 3 days - 3 weeks absence	6 - Daily	2 - Very unlikely


Existing Controls

Are these controls adequate to contain the hazards?

PPE: Safety Gloves
 Safe Working Procedure
 Training

Further Controls

Implementation Date

ASSESSOR'S NAME	Nigel Burt	DATE	18th Jan 2011
SIGNATURE		REVIEW DATE	17th Jan 2012
JOBTITLE	AB Consultants International		

3. RISK ASSESSMENT/EVALUATION

Explanation of Rating System:					
Frequency		Severity		Likelihood	
1	Less than once/year	1	Minor injury not requiring treatment	1	Almost impossible
2	Once a year	2	Minor injury requiring treatment - no absence	2	Very unlikely
3	Monthly	3	Minor injury resulting in less than 3 days absence	3	Unlikely
4	Weekly	4	Injury resulting in 3 days - 3 weeks absence	4	Fairly unlikely
5	Every Shift	5	Over 3 weeks absence with eventual recovery	5	Even chance
6	Hourly	6	Over 3 weeks absence with eventual partial recovery	6	Good chance
7	Once every 30 min	7	Serious injury resulting in permanent slight disability	7	Probable
8	Every minute	8	Serious injury resulting in permanent partial disability	8	Very likely
9	Every 30 seconds	9	Serious injury resulting in permanent severe disability	9	Almost inevitable
10	Constantly	10	Fatality	10	Inevitable

Interpretation of Risk Factors:

Low Risk	up to 40 pts
Medium Risk	41 - 200
High Risk	over 201

2. HAZARDS

The following hazards were identified by a visual inspection of the area and consultation with operators and supervisors.		
Harm/Hazard	Person affected	Operations during which Hazard occurs
Contact with hazardous substances	All employees, members of public	Refuelling with diesel/petrol, Playing paintball, Loading paintball guns with propellant
Contact with saw or other blades	Outdoor workers	Chainsaw
Cuts caused contact with sharp blades (tape cutter, Stanley Knife)	Outdoor workers	Stanley knife
Entanglement	Outdoor workers	Chainsaw, Cutting grass
Equipment failure	Outdoor workers, members of public	Gas bottle change, Playing paintball
Escaping gas due to uncontrolled release of pressure	Outdoor workers, members of public	Playing Paintball, Loading Paintball guns with propellant
Explosion	Outdoor workers	Refuelling with diesel/petrol, Cutting Grass
Exposure to extremes of temperature	Outdoor workers	Loading Paintball guns with propellant
Impact	All employees, members of public	Playing paintball
Incorrect Manual Handling	All employees	All tasks involving manual handling
Inhalation of hazardous substance	All employees, members of public	Chainsaw, Refuelling with diesel/petrol
Injuries through falling objects	Outdoor workers	Gas bottle change
Noise	Outdoor workers	Chainsaw
Slips & Trips	All employees, members of public	All tasks & games
Uncontrolled moving parts caused by valve failure / human error	Outdoor workers	Gas bottle change
Uncontrolled release of compressed gas	All employees, members of public	Gas bottle change, Playing paintball, Loading paintball guns with propellant

3. RISK ASSESSMENT/EVALUATION

Following identification of the hazards risk was evaluated taking into account control measures in place and frequency of exposure to the hazard and potential severity of injury. The risk was evaluated quantitatively.

Harm/Hazard	Frequency	Severity	Control Measures	Likelihood	Risk Factor
Contact with hazardous substances	6	10	Safety Gloves, Training	2	120
Contact with saw or other blades	3	10	Safety Gloves, Training, Legings	4	120
Cuts caused contact with sharp blades (tape cutter, Stanley knife..)	4	10	Safety Gloves, Training	4	160
Entanglement	4	10	Training	4	160
Equipment failure	10	10	Safety Gloves, Safety Shoes, Training	2	200
Escaping gas due to uncontrolled release of pressure	10	10	Safety Gloves, Training	2	200
Explosion	4	10	Training	2	80
Exposure to extremes of temperature	6	4	Safety Gloves, Safe Working Procedure, Training	2	48
	6	10	Full face mask, Safe Working Procedure, Training	4	240
Incorrect Manual Handling	10	6	Safety Gloves, Safety Shoes, Training	2	120
Inhalation of hazardous substance	4	10	Safe Working Practice, Training	2	80
Injuries through falling objects	10	5	Safety Gloves, Training	2	100
Noise	3	7	Ear Defenders	2	42
Slips & Trips	10	10	Basic Safety Awareness	3	300
Uncontrolled moving parts caused by valve failure / human error	4	6	Training	2	48
Uncontrolled release of compressed gas	10	4	Training	2	80

ADDITIONAL CONTROLS

Harm/Hazard	Safety Boots	COSHH	SWP	Signs	Other
Contact with hazardous substances					
Contact with saw or other blades			For Chainsaw		
Cuts caused contact with sharp blades (tape cutter, Stanley knife..)			For Stanley Knife		
Entanglement					
Equipment failure					
Escaping gas due to uncontrolled release of pressure					
Explosion					
Exposure to extremes of temperature					
Incorrect Manual Handling					
Inhalation of hazardous substance					
Injuries through falling objects					
Noise					
Slips & Trips					
Uncontrolled moving parts caused by valve failure / human error					Always ensure a second member of staff present when changing Gas Bottles
Uncontrolled release of compressed gas					

4. Conclusions:

Following the risk assessments, for compliance with the Management of Health and Safety at Work Regulations 1999 the following conclusions have to be drawn:

The hazards with the highest risk factors were found to be:

- Slips and Trips
- Impact with a Projectile (Paintball)
- Equipment failure
- Escaping gas caused by uncontrolled release of pressure

Noise was found to represent the lowest risk factor (Refer to the Risk Assessment/Evaluation Table).

It was also found that a number of additional control measure could reduce the risk of injuries considerably (See attached Table: Additional Controls).

The Health and Safety Executive would consider these suggested control measures as reasonably practicable and would therefore expect them to be implemented.

5. Recommendations

The following recommendations should be followed in the list of priorities stated below to achieve compliance with all relevant current Health and Safety legislation and to lower the severity of potential injuries and decrease the likelihood that an accident will occur:

Priority 1:

Establish a Safe Working Procedure for the use of Stanley Knives on site

To be achieved by: 01/03/2003
Person responsible: Health & Safety Officer

Priority 2:

Safe Working Practice: Always ensure two people present when changing Gas Bottles

To be achieved by: 31/03/2003
Person responsible: Health & Safety Officer

Priority 3:

Establish a Safe Working Procedure for the use of a Chainsaw on site.

To be achieved by: 15/05/2003
Person responsible: Health & Safety Officer

Priority 4:

Update induction & training records for Games Marshalls.

To be achieved by: 30/06/2003
Person responsible: Health & Safety Officer

Priority 5:

Improve house keeping.

To be achieved by: On-going
Person responsible: Health & Safety Officer

RE EVALUATED AT 6 MONTH PERIODS BY NOMINATED PERSON

Lutterworth, 18.01.2011

For AB Consultants International



.....
Nigel Burt