Skyburst Site Risk Assessment - Word Format

Display information	Types and size of suitable fireworks ✓	Yes	No
Display venue:	**Candles**	✓	
Hard or Soft site: Soft	**Mines**	✓	
Date: 17/12/2011	**Set Pieces (gerbs/fountains only)**	✓	
Location:	**Paper shells (150mm max)**	✓	
Contact name:	**Plastic shells**		✓
Telephone number:	**Rockets**		✓
Visit and assessment completed by: Matthew Tosh	**Batteries**	✓	
Copies required by: Supervisor, File.	**Persistent Gold Effects**		✓
	Oscillators & fan cakes	✓	
	Any other types of firework:		

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Factors for Consideration	Hazard, persons/property exposed & hazard effect (no identifiable hazard - write N/A)	Risk (Prob x Sev=Ev)			Further control measures required	Risk Outcome		
		Prob	Sev	Ev		Prob	Sev	Ev
1. Are minimum distances sufficient: -								
• To spectators	Safe distance (see site plan), unless strong wind towards them.	**2**	**3**	**6**	If wind changes and strengthens, withdrawal of larger material or cancellation probable.	**2**	**1**	**2**
• For fall out zone	Yes. Unless strong wind towards spectators. Empty field and spinney.	**2**	**3**	**6**	If wind changes and strengthens, withdrawal of larger material or cancellation probable.	**2**	**1**	**2**
• To adjoining property	Nearest houses 90-100m at risk if strong wind towards them.	**3**	**3**	**9**	Angle firing away from properties towards bottom of valley (spinney).	**1**	**3**	**3**
2. Are passers by at risk?	No access to adjacent fields for passers by. Persons from adjoining land/properties will be present at event.	**1**	**2**	**2**				
3. Owners of adjoining property at risk?	As above.	**1**	**2**	**2**				
4. Livestock and pets at risk?	Cows graze in adjacent field 50-60m from firing site (see site plan)	**3**	**3**	**9**	Farmer and neighbours to be notified by organiser and livestock moved away from adjacent fields.	**1**	**1**	**1**
5. Are organisers and stewards: -								
• Available and sufficient	Yes – organiser to steward party guests.	**1**	**1**	**1**				
6. Vehicles, machinery, equipment, boats and property not at risk?	Not unless strong West or North Westerly.	**2**	**4**	**8**	Check wind direction and reposition or cancel display.	**1**	**3**	**3**
7. Firing site clear of obstructions - Trees, foliage, and buildings.	Trees adjacent (see site plan), but firing site is clear of trees.	**2**	**3**	**6**	Position display away from edges of firing field.	**1**	**3**	**3**
8. Fallout zone sufficient size?	Yes.	**1**	**1**	**1**				

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9. Any significant fire risks or source of ignition - Trees, shrubs, crops, foliage, thatch, gas &fuel stores?	Yes, trees at edge of firing field and fallout zone.	**3**	**3**	**9**	Position display a safe distance from hedges and trees.	**1**	**3**	**3**
10. Setting up cover in bad weather?	Possible problem. Some shelter from trees. Tent available on site if needed.							
11. Wind: -								
• On day of risk assessment	Light, predominantly south westerly.	**1**	**1**	**1**				
• Prevailing wind safe for firing	Yes.	**1**	**1**	**1**				
• Alternative site available	Yes, adjacent field. Can also change firing direction if needed.	**2**	**1**	**2**				
12. Access to site: -								
• To site suitable?	Yes, but soft as you go down the hill. May need to carry rig last 30 metres.	**1**	**1**	**1**				
• Are ground conditions hard or soft	Soft.	**1**	**1**	**1**				
• Emergency access to site	Yes.	**1**	**1**	**1**				
• Emergency access to spectators	Yes.	**1**	**1**	**1**				
13. Barriers: -								
• Between spectators and firing area	Along wall in front of spectator area (85m from firing site). Falling hazard over wall into field.	**4**	**4**	**16**	Additional barrier tape to be erected along wall to mark wall.	**2**	**1**	**2**
• Between spectators and fallout	Yes – hedges and barrier prevent access to this area.	**1**	**1**	**1**				
• Who will erect the barriers?	STFC and organiser.	**1**	**1**	**1**				

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14. Is spectator area big enough?	Yes.	**1**	**1**	**1**				
15. Are relevant authorities informed? Police/Fire&Rescue/Environment/ Neighbours/Coastguard/Aircraft.	Organiser to notify neighbours, police and fire. STFC to notify CAA and coastguard where necessary.	**1**	**1**	**1**				
16. Communications suitable?	Yes							
17. First Aid available?	Supervisor to carry first aid kit.	**1**	**1**	**1**				
18. Firework security sufficient?	Yes – see site plan. Crew also to monitor site at all times.	**1**	**1**	**1**				
19. Bonfire: -								
• Safely situated?	N/A							
• Who is lighting?	N/A							
• At what time is lighting?	N/A							
20. Underground services present? Gas / electric / pipes and/or cables.	None.	**1**	**1**	**1**				
21. Is firing site suitable? Solid level ground / well drained.	Ground slopes, but is solid and suitable for staking/rigging.	**1**	**1**	**1**				
22. Proposed show & Firework content: -								
• Should any fireworks be excluded?	Large shells (over 125mm) and rockets.	**1**	**1**	**1**				
• Does the show design need modifying?	Not yet written.							

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23. Will artificial lighting be required?	Torches and headlamps in kit.							
24. Further factors for consideration: -								

Risk Evaluation Matrix

X	PROBABILITY					
SEVERITY	Probability X Severity	Highly improbable	Improbable	Possible	Probable	Almost certain
	Minor injury to one	1	2	3	4	5
	Minor injury to several	2	4	6	8	10
	Minor injury to several / property damage	3	6	9	12	15
	Minor/major injury to several / significant property damage	4	8	12	16	20
	Many major injuries/fatalities / major property damage	5	10	15	20	25

Risk Outcome Matrix

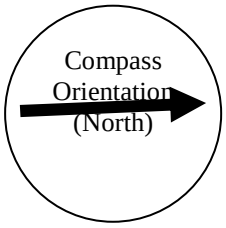
Risk Product	Risk Assessment
1 - 3	**Low Risk – activity can continue as per normal operating and safety procedures**
4 - 8	**Medium risk – additional measures required before activity can be undertaken.**
9 - 25	**Unacceptable risk - under any circumstances. Any risk reduction measures to be vetted by highly competent staff before being accepted as control measures to reduce risk to safe level.**

Method Statement Our crew will arrive by vehicle at a suitable time on the day of the display, bringing all fireworks and equipment. After meeting your site contact, confirming safety plans, contingency procedures and communication details they will prepare firing equipment and fuse the fireworks ready for the contracted firing time. Once the supervisor receives confirmation that stewards and safety measures are all in place, they will commence the show on cue. When the show has been fired the crew will dismantle all equipment and remove spent fireworks, leaving the site as clear and tidy, as is reasonable practical.
Skyburst can provide a full risk analysis and control document upon request

Site plan for: **Lower House Cottage, Earlswood** **B**

Display date: 17 December 2011

Date of assessment: 16 October 2006



A1 **A2**

B

Side Elevation

A1 **A2**