Classification

Amusement Park Industry Comprises:

- Theme Parks
- Zoos and Aquariums
- Family Entertainment Centers
- Carnivals
- Water Parks
Show & Entertainment Components

- Thrill Rides
- Aquariums
- Mammal Shows
- Video Game Centre
- Playgrounds
- Themed Areas
- Merchandize/Retail outlets
- Restaurant/Food & Beverage Outlets
- Special Events (Christmas, Halloween)
- Mascots
The Risk Equation

- Probability X Severity
- Frequency X Harmful effect
What is Safety?

Safety is never an accident:

It is always the result of high intention, sincere effort, intelligent direction and skillful execution, it represents the wise choice of many alternatives.
The Philosophy of Safety

- So far as reasonably practicable, improves the safety performance on all aspect in a continuous manner, in order to achieve the goal of elimination or reduction of human injuries and loss of property.
Does this looks safe to you....?
Typical Theme Park Safety Program

- The following slides portray a typical sample of a safety management program in amusement park...
Safety in Amusement Park

We are focusing on

- Ride Safety
- Facility Safety
- Guest Safety
- Food Safety and Hygiene
- Staff Safety
- Safety Training and Promotion
- Contagious Diseases (e.g. Dengue Fever, Melioidosis, SARS, Avian Flu)
Ride Safety
Ride Safety

- All Rides are conformed to the ASTM F24 safety standard
- Ride inspection & Emergency drill have to conduct to meet statutory requirements
- Independent inspection by Safety Consultant
- Independent surveyor to do NDT
- All Competent Persons/Operators are certified by Local Authority (EMSD)
- Daily pre-opening test, monthly test and annual overhaul for each Ride
Ride Safety
Example (1) of Improvement Works

Clear zone on Dragon and Mine Train to prevent guest from falling into ride track
Ride Safety
Example (2) of Improvement Works

Non-slip tapes to ride platform to prevent slip accident
Facility Safety

Examples of Facility Safety Improvement Works

- Non-slip reflective strips
- Stainless steel gate for stair clearance
- Removed the mosaic tile at main entrance ramp to eliminate slip hazard
- Themed safety signs for reminding patrons proper and safe use of the facility
- Installation of cable duct for special event to prevent trip accident
Facility Safety
Example (1)

- Control of slip and fall hazard – Ocean Theatre

Non-slip Reflective Strips

Stainless Steel Gate for Stair Clearance
Facility Safety
Example (2)

Control of slip and fall hazard – Ocean Theatre

Removal of Mosaic Tiles
Facility Safety
Example (3) – Signage & Equipment

Themed Signage at Tai Shue Wan Escalator

Cable Duct for Special Events
Guest Safety

- Formulate Crisis Management Plan and conduct emergency drills with relevant government departments
- Annual Inspection by Safety Consultant
- Monitoring and Continual Improvement by Safety Committee

- Paramedic - 5 First Aid Booths
- All First Aid staff were trained by St. John Ambulance for the Automated External Defibrillator ("AED") operation
Guest Safety

Example of Improvement to Guest Safety

* Normally the Park will deploy Automated External Defibrillator ("AED") in rides Area
Guest Safety

focuses on

- Accident Statistic
- Accident prevention – proactive measure
- Post accident handling
Guest Safety

Accident Statistics

- Annual Accident Statistic will be compiled and analyzed for the accident pattern & trend
Food Safety & Hygiene

- Quality assurance of food safety
- Food Hygiene & Safety Manager
- Safety Sub-committee – Food safety
Staff Safety

- Provide safe working environment
- Arrange mandatory safety training
- Arrange general safety training
- Monitored by Safety Committee
Staff Safety

Internal Rule & Regulations

- Health Assurance
- MSDS
- Safe Guide for Non-permanent staff
- Staff safety escape route
- SOP for Tropical Cyclone & Rainstorm
- Confined Space Entry Program
- Safety Inspection Program
Mandatory Training

- Manual Handling Regulation
- Load Shifting Machine Regulation
- Flume Cutting and Gas Welding
- Green Card Training
- Display Screen Equipment
General Safety Training

- Office Safety
- Personal Protective Equipment
- Risk Assessment
- Driving Safety
- Emergency Plan Briefing
- Manual Handling Operation
- Basic First Aid
- Working in hot environment
Internal staff Safety Training

- Needs Analysis – Training Curriculum
- Induction Training – Manager and Staff
- Tailor made special training
Tailor-made training

- General cleaning staff Health & Safety
- Golf-cart driving
- Air- compressor unit safety handling
- Ride Operator and Attendant Safety
- Snake handling procedure
Safety Promotion

- Staff Suggestion Scheme
- Safety Leaflets
Emergency Preparedness – Avian Flu

- Formation of Cross Divisional Team ("CDT") against contagious diseases, team members are managerial staff of each Division with Vet. And Bird Experts.
- Set up of Standing Operational Procedures, Preventive Measures and Contingency Plan against pandemic outbreak of the disease
- Establishment of the Special Cleaning Team for handling disinfections to suspected infected area.
Avian Flu (Guest)

Measures taken for prevention of outbreak, guests will be supplied freely with

- Face Mask
- Cleaning Towels
- Disinfecting gel
- Regular Disinfections of Facilities & Rides
Avian Flu (Staff)

Measures taken for prevention of among Staff

- Free Supply of all PPEs
- Training by Medical Practitioner
- Home Working is allowed
- Split Workforce into different teams
- Work at alternate office locations
- Frequent disinfections of back-of-house facilities
- Grant special leave to staff for suspected cases
Roles of Safety Committee

- Corporate Committee Vs Sub-Committees
- Implement and Monitor the Park’s Safety and Health policy to ensure its adequacy with reference to local and international safety standards
- Analysis of accident statistics and trends for making recommendations to Senior Management for corrective actions
Roles of Safety Committee

- Provision of professional information to Senior Management in devising “In-house Safety Rules & Regulations as well as Safe Systems of Works”

- Guidance and recommendations to employees on the implementation of the Park’s Safety and Health Policy
Roles of the Safety Department

- Provide professional advice, information, support and training on H&S issues
- Conduct research, review and update on regulatory requirements
- Assist line departments in conducting workplace assessments and audits
Roles of the Safety Department

- Retain detailed logs on all inspection/audit reports and maintain an action list with regular updates
- Schedule meetings – Safety Sub-committees, & functional departments
- Liaise with relevant Government Departments in respect of statutory requirements. (FSD, LD, E&M Dept.)
Thank You!