



LET'S TALK SAFETY

APRIL 2021

A photograph of a man in a purple work uniform writing on a clipboard. The image is partially obscured by a dark grey geometric overlay on the left side.

DAILY MAINTENANCE OF ATTRACTIONS – BEST PRACTICE (ARE YOU DOING THIS RIGHT?)

Effective organisation of FEC's and amusement parks is essential to manage safety properly and to control risks. As operators we should ensure the safe operation of our attractions by taking overall responsibility for proper management of risks. One way to manage risks with attractions is by ensuring proper and methodical daily inspection and regular maintenance as set down by the manufacturer, deemed necessary by a risk assessment and/or an inspection body. Below I have drawn out what I believe is a basic but usable plan to ensure an attraction is maintained properly and as safe as possible for clients and staff alike.

It is essential to keep records of all daily checks and regular maintenance work carried out. Ensure checks and maintenance works are documented and that each attraction is signed off as "Safe to operate" by a trained and competent person and prior to operating the attraction to the public. The completed document should be filed in a relevant folder with the manufacturers manual for easy access if/when needed.

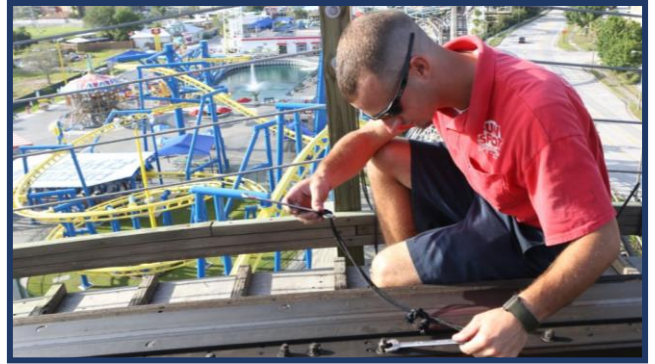
PREPARATION

Sometimes simply following the manufacturers manual for the maintenance may not be enough. And you may need to create a specific document for this. When creating maintenance sheets ensure you follow the manufacturers manual and combine any instructions from suppliers, risk assessments and/or inspection bodies.



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Check List, What You Should Include.

- Describe who should be responsible for conducting the checks.
 - Competent trained person.
 - Qualified maintenance person. Etc.
- List all items that require daily inspection to ensure safety.
 - Internal components
 - External components
 - Specific items for your risk assessment, inspection body etc
- And how they should be checked.
 - Visual
 - Specific test tools required. Etc.
- Include, where appropriate details of acceptable variations. E.g.
 - Air pressures – minimum and maximum
 - Wear limits
 - Torque setting min/ max.
- Check all safety controls and devices e.g.,
 - Emergency stops.
 - Brake systems
 - Any other safety devices
- Include checks for
 - Information / warning signage
 - easily visible and in good condition.
 - Fences, Barriers
 - Secure, intact.
 - Guards/ Locking devices and securing pins.
 - In place and in good condition.



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Once the tests have been completed and prior to conformation signature ensure at least 1 complete game cycle has been performed.

Don't forget to include the date, who completed the checks and, confirmation the attraction is safe to operate to the public.

Why Bother Keeping Records?

Keeping records can

- Protect your operators and customers.
 - When an attraction is properly maintained, the risk of accidents occurring due to malfunction can be dramatically reduced.
- Help you keep track of your equipment's health.
- Confirm your attractions are safe to run.
 - Giving the operator and manager peace of mind
- Prevent expensive repair works from happening.
 - Performing routine inspections allow you to see and repair small damages before they become big problems.
- Help you in creating bespoke specialised maintenance programs.
 - Regular daily maintenance will help you in creating bespoke maintenance programs for your attraction.
- Prevent problems regarding warranty claims.
 - Documenting maintenance work on your equipment can help you process warranty claims much easier.
- Help you track who is accountable for the maintenance completed on your attractions.
 - You may have multiple maintenance personnel performing the daily checks. Performing a routine inspection and documenting the findings after every period will help you track down who is responsible for possible lack in performing the checks.
 - Keeping these types of records will also encourage maintenance personnel to take better care of your equipment.



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The above is only a snapshot of my thoughts on the checks and how to perform them. And is written to help you create your own safety maintenance procedure.

Remember, when you do create such sheets ensure you include all the information from the manual along with specifics from any inspection/ government body and or risk assessments that have been completed.



Assign only competent and trained personnel to carry out the checks/ maintenance. Remember you should not open the attraction to the public unless the relevant maintenance and checks have been performed by a competent designated person and confirmed safe to operate with a covering signature.

Article contributed by Mr. Ben Clegg, Director - Spares, Operations & Technical, Amusement Services International L.L.C.

The advice shared above is based on a high-level view of best practice when implementing of Daily Maintenance of Attractions. It is however important that you speak with and follow the recommendations of the local authorities and regulations in the countries that you operate. Their guidelines will help you to create your own Operating Procedures, Staff Training Plan and documentation to ensure your Daily Maintenance of Attractions measures meet the requirements of your individual country, the regulations and recommendations of your local authorities.