

Honomichl

8-10-11

REV 2.0

### **NUCLEAR LEGOLAND BUILDER DLA**

Directions:

1. Classes will be divided into 5 groups with five people in each group, identified as Group 1, Group 2, Group 3...

If there are not enough people to make teams, two-four teams can be made. The instructor will build the lego sections for the missing groups. For example, if there are only 15 people in a class, 3 groups will be formed and the instructor will act as Group 4 and Group 5 in the procedure.

2. Groups will be broken down into:

- Foreman – provides oversight and makes decisions within their knowledge base
- Reader – Reads the steps to the performer
- Performer – Performs the steps as the Reader reads
- Concurrent Verifier – Provides concurrent verifications when required
- HU Observer – Performs HU Observation of workers ensuring that all workers correctly use their HU Tools. (OPTIONAL – If the group only has 4 people, leave off the HU Observer).

3. Procedure 12459-C (REV 2.0) will be handed to all groups. Each group is required to perform a PJB and follow the procedure as written and in accordance with NMP-AP-003 in order to successfully assemble the Nuclear LEGOLAND builder.

4. The procedure will contain errors. For every error, the group should take a timeout and contact the instructor for help.

- Where the procedure refers to an **orange** lego (which does not exist), the instructor will perform a pen & ink change and revise the procedure to say a **red** lego.
- Some procedures will have the wrong revision. Personnel should call a time-out and obtain the correct revision.
- Some Figures in the back of the procedure will not match the procedure step. Personnel should call a time-out and gain resolution prior to proceeding.

#### **Materials Needed:**

Maintenance Pre-Job Brief

Procedure 12459-C, Rev 1.0 (Wrong) and Rev 2.0 (Correct)

Group legos (labeled on top of container)

HU Observation Books

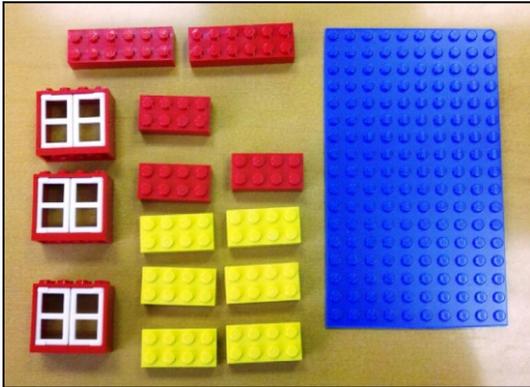
HU Observation Forms

Honomichi

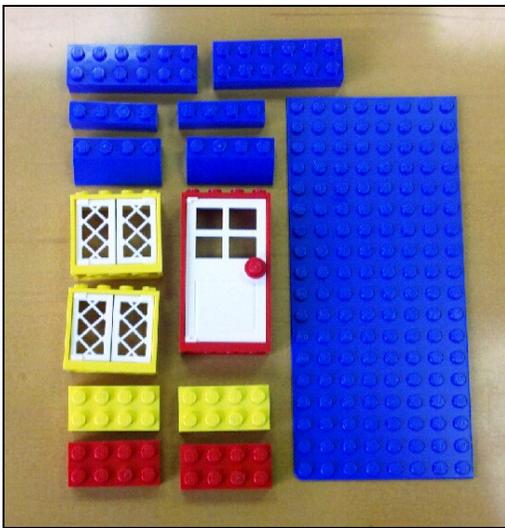
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Group 1



Group 2



Group 3





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### **Foreman Information**

You are the foreman and the “go-to” guy for the Nuclear Legoland Builder.  
All of the personnel in your group are looking to you for answers.

In your group, you have a Reader, Doer, Concurrent Verifier and an HU Observer, all qualified to perform this task.

You may answer any question within your knowledge base.  
Failure to perform your section successfully can lead to the failure of the entire class.

The Instructor will act as the Shift Supervisor, the task supervisor, and department manager and answer any questions you may have.

Your work order number is SNC126592 and you will be using REV 2.0 of Procedure 12459-C

Since this task will not be performed on either unit, Operational Risk Assessment (ORA) is Low.

This task is in a non-rad area and there are no ALARA concerns.

There are no PPE requirements for this task.

No chemicals will be used in the performance of this task.

All parts shall be inspected for foreign material. FME Level 2

This task has no impact on plant operations; however failing to complete the Nuclear legoland builder will result in failure of the entire class.

No M&TE is required to perform this task.

### **Operating experience (OE)**

In June 2011, a laborer in Group #2 did not use extreme care when opening the container holding the lego pieces required for assembly of the NUCLEAR LEGOLAND BUILDER. The lego pieces fell out of the container. One of the pieces required for assembly was never found and no replacement parts were in the warehouse. This caused a failure for the NUCLEAR LEGOLAND BUILDER, due to the inability of the NUCLEAR LEGOLAND BUILDER to be completely functional.

Also in June 2011, an electrician in Group #3 missed a procedure step, leaving a hole in the side assembly of the NUCLEAR LEGOLAND BUILDER, causing the NUCLEAR LEGOLAND BUILDER to not be completely functional. The electrician stated they were in a hurry and skipped over the step. The foreman, that later inspected the assembly, noticed the hole in the side of assembly and took a time out. Due to the time it would take to rework the assembly, the NUCLEAR LEGOLAND BUILDER was deemed non-functional.