

Memo: Improved New Construction Inspection Support in the IA System

Re: 8 Nov 2019 Release of IA System

In Nov 2019, the IA system was updated (Desktop, Mobile and Server) to better accommodate the needs of new construction inspections. These updates involved new features, a new report and some changes in the way observation issues are recorded.

Here is a summary of changes:

1. Instructions were added to the Construction Daily Form to indicate how to make a daily plan.
2. A new Construction Daily Observation (CDOb) type was added: Other

Activities Observed/Performed	Field Inspection
Trenching, Lowering, Backfilling	Welding, NDE
Transportation, Stringing	Bending
Coating, Corrosion Control	Location, Clearing, Grading
Pressure Testing	HDD's, Bores
Operator's inspections/QA	Material Verification
Special Permits	Commissioning
	Other

3. When an issue is recorded for a CD Observation it is added by explicitly clicking the "Add Issue" button. This will reveal the data entry fields for issues (Date Observed, Date Resolved and Issue Summary).

Links: Questions, Results, Assets, Activities, Forms

Select Questions | Select Results | Unit 83923 | Spread 7 and 8 | Spread 8, 3/20/2017, EMM | Delete | Done | Cancel

Name or Title: Construction Daily Observation - EM - 2:55pm | 3/20/2017 | Creator: [redacted]

Location, Clearing, Grading

Pipeline Project: [redacted] | Date: 3/20/2017

Notes | Considerations

[Red arrow points to Add Issue button]

Attach files by dragging & dropping or selecting them. | No files present.

Delete | Done | Cancel

4. The CDObs **Issue Status** property is retired and no longer appears on new CDObs issues. Instead, use the **Observed Date** and **Resolved Date** fields to indicate the status of the issue.

Links

Questions Results Assets Activities Forms
Select Questions Select Results Unit 83923 Spread 7 and 8 Spread 8, 3/20/2017, EMM

Delete Done Cancel

3/20/2017
Name or Title Construction Daily Observation - EM - 2:55pm
Location, Clearing, Grading
Pipeline Project
Date 3/20/2017
Notes Considerations
Remove Issue
Issue
Observed Date 3/20/2017
Resolved Date
Issue Summary
Attach files by dragging & dropping or selecting them.
No files present.

5. The Observed Date will default to the parent form's date.

- On the Forms tab, the Construction Daily section now displays both the Form's date (the date the form was used to record observations) and the completed date (which may differ). Note that this may remove the SOP some organizations have of embedding the date in the form's name.

Form Attachments (3)

Name

Form applies to

Activity

Completed

Use this form to record the activities and observations for a single day of a new constructi

Pipeline Project

Date

Location



Construction Daily (88/88)

Date	Name	Assets	Creator	Complete	
2017-03-20	Spread 8, 3/20/2017, EMM	Unit 83923	EM	2018-02-02	1
2017-03-22	Spread 8, 3/22/2017, EMM	Unit 83923	EM	2018-02-02	3
2017-03-23	Spread 8, 3/23/2017, EMM	Unit 83923	EM	2018-02-02	3
2017-03-24	Spread 8, 3/24/2017, EMM	Unit 83923	EM	2018-02-02	4
2017-03-31	Spread 8, 3/31/2017, EMM	Unit 83923	EM	2018-02-02	2
2017-04-03	Spread 8, 4/3/2017, EMM	Unit 83923	EM	2018-02-02	3
2017-04-04	Spread 8, 4/4/2017, EMM	Unit 83923	EM	2018-02-02	2
2017-04-05	Spread 8, 4/5/2017, EMM & KRF	Unit 83923	EM	2018-02-02	5
2017-04-07	Spread 8, 4/7/2017, EMM	Unit 83923	EM	2018-02-02	2
2017-04-10	Spread 8, 4/10/2017, EMM & BAG	Unit 83923	EM	2018-02-02	2
2017-04-11	Spread 8, 4/11/2017, EMM	Unit 83923	EM	2018-02-02	3
2017-04-12	Spread 8, 4/12/2017, BAG	Unit 83923	BG	2018-05-18	3
2017-04-13	Spread 8, 4/13/2017, BAG	Unit 83923	BG	2018-05-18	3
2017-04-14	Spread 8, 4/14/2017, BAG	Unit 83923	BG	2018-05-18	4
2017-04-17	Spread 8, 4/17/2017, EMM	Unit 83923	EM	2018-02-02	5
2017-04-18	Spread 8, 4/18/2017, EMM	Unit 83923	EM	2018-02-02	3
2017-04-19	Spread 8, 4/19/2017, KRF	Unit 83923	KF	2018-04-23	2

- A new report: "Construction Daily Report" has been added to provide consolidated access to lists of forms and their observations filtered by date, type, status and asset.

Construction Daily Report

[Back to Reports](#) | [Print](#) | [Export to Word](#) | [Export to Excel](#) | [Hide Options](#)

Start Date: 
End Date: 
Observation Type:
Observation Status:
Notes Options:
Asset Filter:










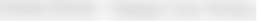
[Refresh Report](#)

Regulator: Central Region

Lead: Michigan Public Service Commission

Observation Type / Status: **Any Observation Type / Any Issue Status (including no issue)**

Date Range: 03/01/2017 - 10/08/2019 (951 days)

	Type	Issue Observed	Issue Resolved	Issue Duration
03/20/2017 Spread 8, 3/20/2017, EMM 				
Unit 83923 : 				
1. Construction Daily Observation - EM - 2:55pm	Location, Clearing, Grading			
03/22/2017 Spread 8, 3/22/2017, EMM 				
Unit 83923 : 				
1. Construction Daily Observation - 5:10pm	Transportation, Stringing			
2. Construction Daily Observation - 5:20pm	Coating, Corrosion Control			
3. Construction Daily Observation - 5:24pm	Material Verification			
03/23/2017 Spread 8, 3/23/2017, EMM 				
Unit 83923 : 				
1. Construction Daily Observation - 5:51pm	Welding, NDE			
2. Construction Daily Observation - 5:56pm	Bending			
03/24/2017 Spread 8, 3/24/2017, EMM 				
Unit 83923 : 				
1. Construction Daily Observation - 7:18pm	Welding, NDE			
03/31/2017 Spread 8, 3/31/2017, EMM 				
Unit 83923 : 				
1. Construction Daily Observation - 5:19pm	HDD's, Bores			
2. Construction Daily Observation - 5:45pm	Welding, NDE			

Key operational differences:

1. You no longer need to specify the Form's date in the Form's Name. The date field for each form is displayed in both the Form tab list and the Construction Daily Report
2. It is no longer necessary to set issue status separate from the observed/resolved dates. For example, if an issue is resolved, it is enough to provide the date of resolution. Thereafter, that issue will be considered 'resolved'.

Data backfit details:

In order to make the new Construction Daily Report coherent, some general data clean-up was performed on Observation Issues. Namely:

1. Issues with Status = No Issue Observed and no additional information, or only an observed date were removed. Due to lack of clarity in the user interface, some users were providing dates on *all* Observations when they were only required for observations with issues.
2. Date values were set to ensure consistent date displays across all US timezones regardless of time of collection.