

INSPECTOR WORKSHOP:

"Improving Your Stormwater Treatment System Construction and O&M Inspections"

Wind Room, Foster City Community Center

Wednesday, December 4, 2013

Number of Attendees: 45 Number of Evaluations: 32

1. Why Do We Do Inspections? – A Review of Stormwater Permit Requirements - Given by Jill Bicknell, *EOA*

Very Useful 24

Somewhat Useful 6

Not useful 0

Comments:

- Providing the history of why we are doing what we are doing puts the topic in perspective.
- I didn't realize all that information had to be in the tracking table.
- Good overview.
- 2. What Are We Inspecting? An Overview of Stormwater Treatment Measure Type, Design, and Maintenance Required Given by Jill Bicknell, *EOA*

Very Useful 25

Somewhat Useful 7

Not useful 0

Comments:

- Permeable pavement slide concrete under brick used to prevent rodents from stealing sand from the brick under pavement is a long-term maintenance issue.
- Good overview.
- Not having trees in bioretention areas is near impossible to get through planning.
- Good, helpful distinction between pre-LID and post-LID options. Thanks for explanation of
 why pre-LID are no longer allowed (except for special projects) and thanks for explaining the
 difference between treatment and infiltration design.
- Good to know which measures we can and cannot use.
- A confusing topic. Jill's presentation clarified a lot!

3. What Do We Look For During Construction? Key Elements to Inspect and Common Issues - Given by Peter Schultze-Allen, *EOA*

Very Useful 24

Somewhat Useful 8

Not useful 0

Comments:

- Good outline and examples of common issues/elements.
- Example of gross violations and how they were rectified will help participants address future problems.
- Great photos very helpful to illustrate common problems.
- Would have been good for our city's contracted plan reviewer to have came to this training. We have absolutely no help or cooperation from our city building inspectors. Please get building inspectors and building officials on board!
- Great presentation! Not dry, not boring, very hands on. The presenter was very experienced and familiar with the topic. Thank you!
- 4. What Do We Look For During a "45 Day" Inspection? Key Elements to Inspect at Completed Facilities California Given by Peter Schultze-Allen, *EOA*

Very Useful 24

Somewhat Useful 8

Not useful 0

Comments:

- Why spend money to clean water just to dump it into the street where it is dirty?
- Good use of photos and examples.
- What is a 45 Day inspection?
- Thanks for this list of common problems. Great photos easy to understand.
- Great presentation! Not dry, not boring, very hands on. The presenter was very experienced and familiar with the topic. Thank you!
- 5. What Do We Look For During Routine O&M Inspections? Common Problems and Solutions Given by Peter Schultze-Allen, *EOA*

Very Useful 20

Somewhat Useful 9

Not useful 2

Comments:

- Why spend money to clean water just to dump it into the street where it is dirty?
- Very good photo examples used.
- Was great to see photos of facilities over time and how problems differ over time.
- Good checklist.
- Signage is a good idea. Never heard of it before.
- It was good knowledge for inspectors.
- Great presentation! Not dry, not boring, very hands on. The presenter was very experienced and familiar with the topic. Thank you!
- A lot of duplicate photos from previous presentations.

6. Panel – Experience from the Field

Very Useful 15

Somewhat Useful 10

Not useful 4

Comments:

- Nice examples of what can be encountered in the field.
- Very good.
- Too all over the place.
- Would have been nice to have pictures of Bay Meadows detention pond and retention basins at curbs
- Presentations were not articulated very well.
- Very useful to have.
- We do surprise inspections pros and cons of sending a letter notifying that the inspection is coming up.
- Good knowledge for site inspectors only. I am not a site inspector therefore it was not useful to me.
- Could you email Michelle's East Palo Alto Installation Permit to all of us? The C.3. group should discuss how cities catch regulated projects that don't require building permits.
- Interesting to hear what other issues other cities are experiencing with these issues.
- Little to no exhibits. Difficult to understand.

7. What About Mosquitos? - Vector Control Considerations - Given by Jill Bicknell, EOA

Very Useful 5

Somewhat Useful 19

Not useful 5

Comments:

- Good reminder.
- What are they using to spray in the storm drains?
- Needed a lot of info that relates to stormwater treatment.
- Original presenter couldn't come, but good basic information on slides.
- Probably would have been better if given by Vector Control.
- County expert would better contribute.
- Need to add what months are at highest risk. If water doesn't drain within 72 hours in December or January, is there still a risk?

8. **Data Collection and Management, and Tools for Compliance** - Given by Jill Bicknell, EOA

Very Useful 16

Somewhat Useful 12

Not useful 0

Comments:

- Forms were useful to bring back to office.
- Nice templates used.
- I liked the San Jose forms.

9. **Group Exercise – How Would You Handle These Inspection Situations? -** Given by Peter Schultze-Allen, *EOA*

Very Useful 14

Somewhat Useful 8

Not useful 0

Comments:

- Inspectors should not be redesigning systems.
- Good ideas presented.

GENERAL COMMENTS

Did this workshop meet your expectations? (circle one)

Yes 25

No 1

Exceeded it.

What parts of the workshop were most useful to you?

- Group exercises.
- Talking situations through with colleagues.
- Seeing photos and diagrams of the different stormwater treatment devices.
- Discussion.
- Inspection worksheets.
- The overall practical field examples.
- Photos and experience of speakers.
- I am new to this so most of it was very useful.
- All of it. Especially inspections and what to look for.
- 45 day, routine inspection and data collection presentations.
- Panel presentations and overviews.
- Morning presentations.

What would have made this workshop more useful?

- More hands-on inspections.
- Soil specification plant requirements list; season to plant summer, spring, fall, or winter?
- More interactive in the beginning.
- Nothing.
- Little hard to see the slides, especially photos.
- Longer and go more into detail/technical/reason for a lot of what's required.
- Better handouts.
- Some of the information on the slides was too small. Perhaps putting these presentations online would help.
- Have the whole training on what we look for during construction.

What topics would you recommend for a future workshop?

- Landscaping plants, terminology weirs, etc. Many people don't know what these mean.
- What to look for during plan check. How to determine C.3. compliance.
- Recommendations on distribution of authority among City departments for O&M inspections and stormwater treatment devices.
- Could you set up a workshop on the design aspects when C.3. is a requirement? What would be done with regulatory agencies to meet permitting requirements?
- Video clip.
- More in-depth information on stormwater treatment measures, challenges associated with implementation and inspections, based on experience.
- It would be good to develop a detailed toolbox/algorithm for designers on what measure to install in what situation.

General Comments?

- Really hard to see photos on projector.
- Love all the countywide trainings!
- Thank you!
- Great lunch.
- The panel presentations were monotone, too many unknowns, basically read a PowerPoint presentation.
- Good breakfast and lunch.
- Good exercises.
- Some of the information by Peter could have been combined to prevent repetition and create a start to finish for each slide. Same slide was repeated and became disjointed. Overall information and what to look for was very informative and I will be looking at our current systems and any future systems with better understanding.
- Try to compress to a half-day workshop.