

Keep It Clean Partnership

MCM 3 and 6 2014 End of Year Report February 3, 2015



CITY OF BOULDER • BOULDER COUNTY • TOWN OF ERIE • CITY OF LAFAYETTE • CITY OF LONGMONT • CITY OF LOUISVILLE • TOWN OF SUPERIOR



5 Behavior Areas

1. Spills and Leaks
2. Good Housekeeping
3. Outdoor Materials Handling
4. Outdoor Washing and Cleaning
5. Additional Criteria:
 - a) Application of chemicals
 - b) Proper scheduling of various maintenance operations
 - c) Recordkeeping (SOPs, BMPs, SWPPP)
 - d) Proper discharge of wastewater



Behavior Area Evaluation System

Exceeds:

- Ownership of protecting water quality
- Measures above and beyond what is required
 - Making signs to remind employees and haulers to keep the lids closed

Meets:

- Implementing Best Management Practices (BMPs) in all the specific behaviors in the behavior areas
- Implementing appropriate BMP's



Needs Improvement

- One or more specific criteria within the behavior areas is not in meeting a BMP
 - For example, the facility has a spill kit but no signage



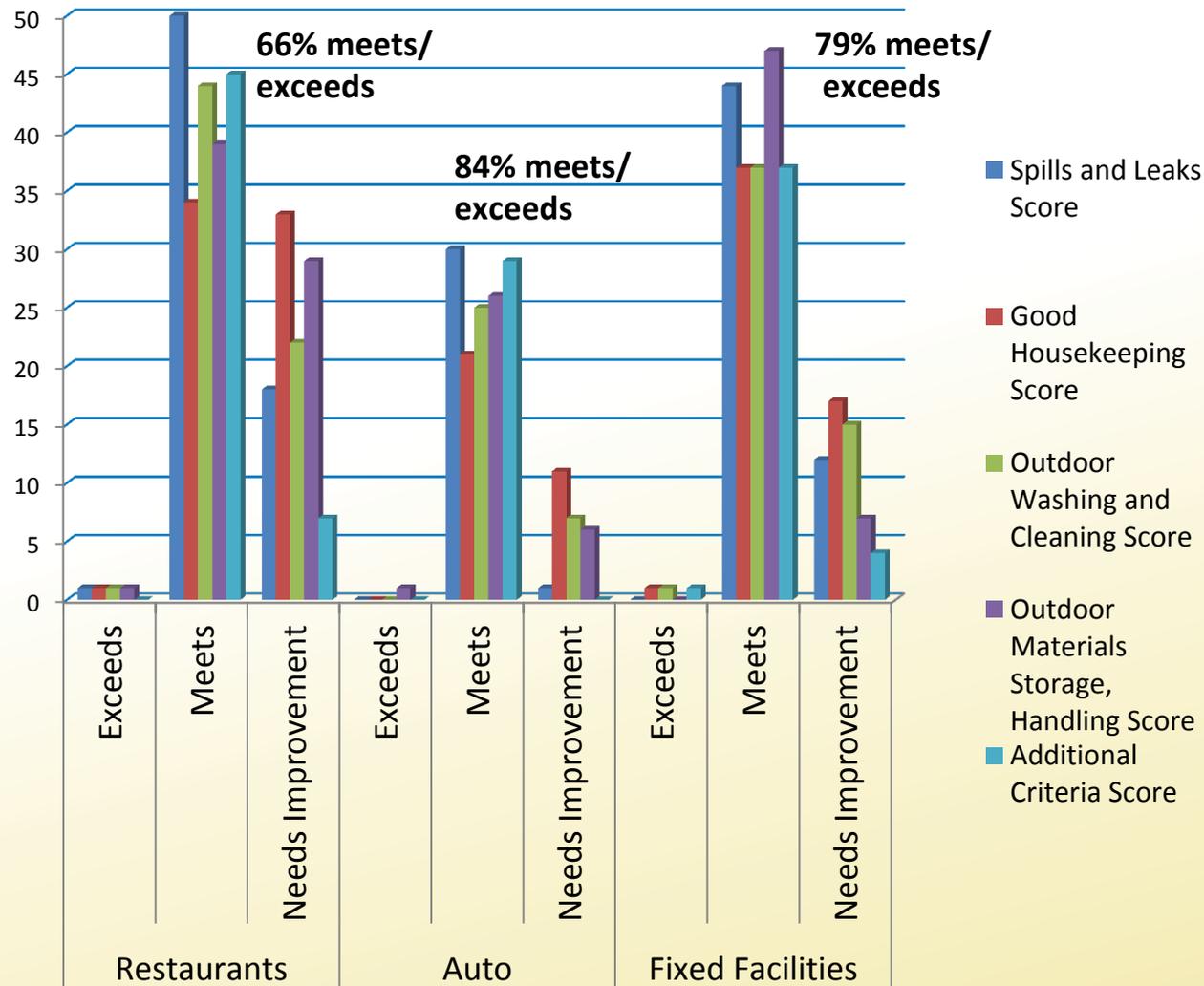
MCM 3 2014 – 189 Advising Visits

Sector	Number of advising visits (contracted)
Restaurant	71 (65)
Fixed Facility	55 (54)
Auto Repair	35 (29)
Property Owner and Manager	13 (13)
Contracted Service Provider	15 (0)*

*Contracted Service Provider training was conducted this year instead of individual advising but staff took the available opportunities.



MCM 3 Behavior Evaluation



- Sampling of businesses provides a snap shot for the BMP behavior evaluation
- Auto shops and fixed facility both exceeding 75% goal
- Restaurants need improvement in good housekeeping, outdoor washing, and spills/leaks
 - High turnover in businesses and employees

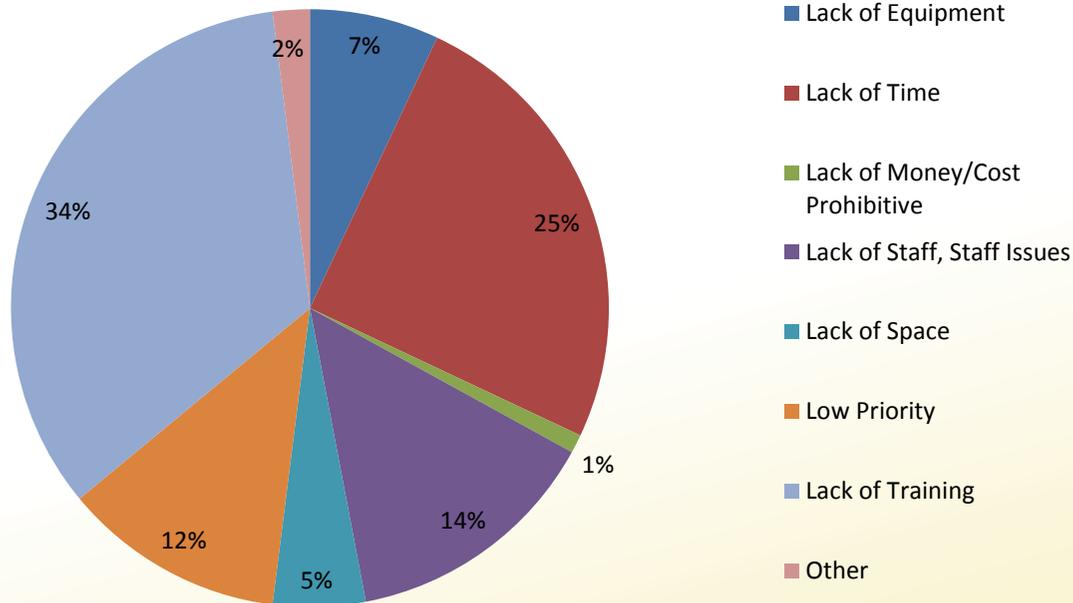
MCM 3 2012-2014 Behaviors

		2012	2013	2014
Restaurant	Meets/Exceeds	64%	62%	66%
	Needs Improvement	36%	38%	34%
Auto	Meets/Exceeds	74%	84%	84%
	Needs Improvement	26%	16%	16%
Fixed Facilities	Meets/Exceeds	77%	75%	79%
	Needs Improvement	23%	25%	21%

- MCM3 evaluation is not a trend comparison of the same facilities to themselves over time, but a snapshot of the BMP behaviors observed in the sector
- In 2015, more advising services will focus on the restaurant sector and less on auto and fixed facilities

MCM 3 Barriers

MCM 3 2014 Overall Barriers to BMPs



2012 Barriers

1. Lack of Training
2. Lack of Staff
3. Lack of Equipment

2013 Barriers

1. Lack of Time
2. Lack of Training

2014 Barriers

1. Lack of Training
2. Lack of Time

- *“Staff is often in a hurry to take trash or grease out to receptacle because it is an unpleasant job”.*
- *“I did not realize the grease on the ground would wash into the creek.”*
- *“I was not aware that pressure washing water had to be collected.”*
- *“We share this dumpster area with other businesses.”*
- *“The property owner does all the pressure washing.”*

MCM 3 Active and Threatened Discharges

TOTALS	Boulder	Erie	Louisville	Superior	Lafayette	Boulder County	TOTAL
Threatened	37	3	4	2	4	3	52
Active	6	0	0	1	0	1	8

- All 8 active discharges were reported to Partners
- 61% of threatened discharges were identified by Windshield Surveys
 - In 2015, PACE advisors will follow up directly to better close the loop
 - Immediate Windshield follow up
 - Leave behind materials that were designed in 2014
 - Follow up advising to ensure BMP performance



MCM 3 Property Owner and Manager

Partner	Property Owners and Managers Advised
Boulder	4
Lafayette	2
Boulder County	2
Louisville	2
Erie	2
Superior	1
Total	13

- Property owner/manager strategy very successful in 2014
- Majority of property owners/managers were interested, receptive, and grateful
- Many said they would be taking their report to tenants for follow up
- In 2015, we will continue to implement the strategy

Stormwater Protection Performance Report

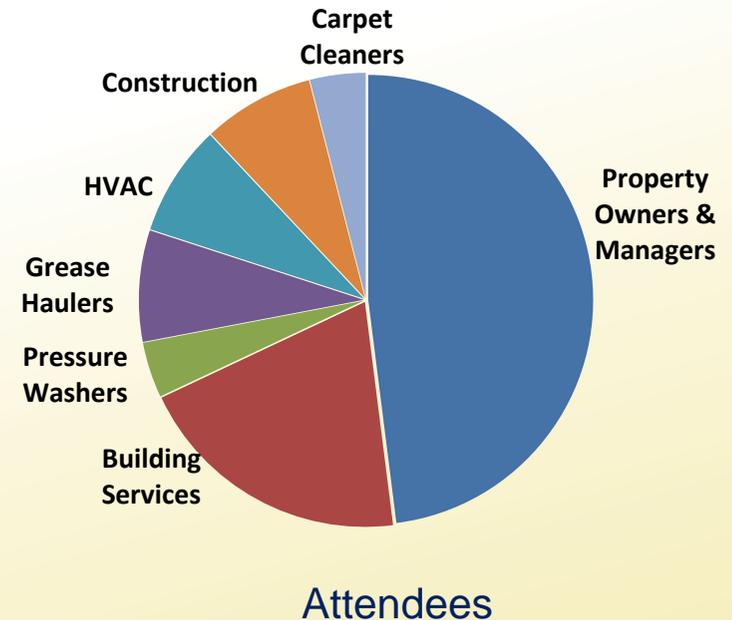
For Gibbons White



MCM 3 Contracted Service Provider Training

Contracted Service Provider Training

- October 14 with 25 attendees
- 88% rated extremely or quite useful
- Landlord/tenant issues, water reclamation and disposal, and acceptable discharges were primary topics raised
- Property owner/manager follow up:
 - Several requested advising at their properties or with employees
 - *One held follow up on-site PACE tenant training*



Above and Beyond

- CSP in-field advising
- 15 Businesses



MCM 3 Focus Areas for 2015

- Advising will target restaurants as the sector with the most opportunities for improvements
- Advising will focus on the behavior areas in each sector that most need improvement:
 - Good Housekeeping
 - Outdoor Washing
 - Material Storage
 - Spills and leaks
- Windshields will provide immediate follow up for active and threatened discharges
 - Education for the business on the specific issue
 - Leave behind materials for employees



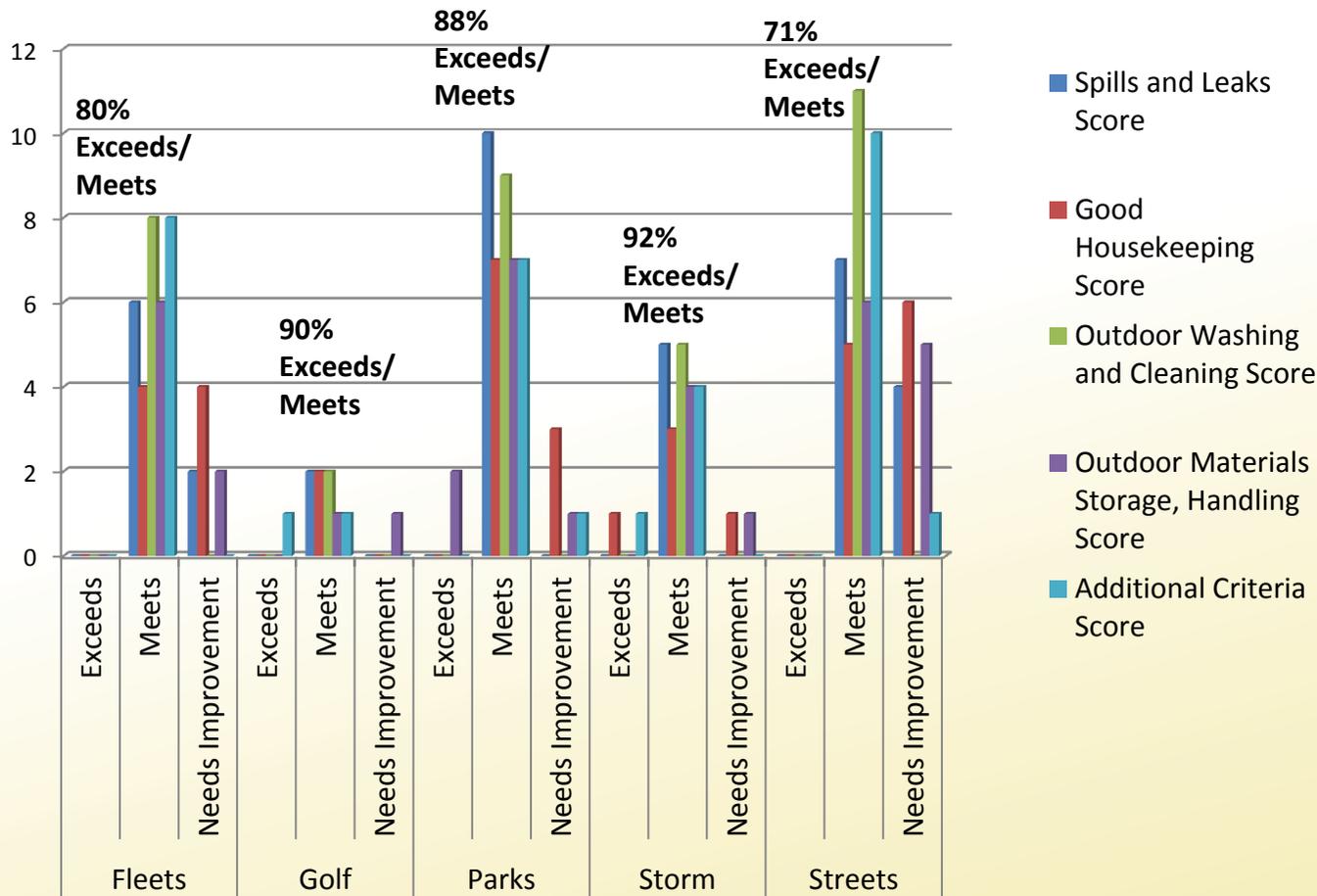
MCM 6: 46 Site Visits

KICP Partner	Completed Site Visits	Contract Site Visits
Boulder	16	16
Boulder County	9	6
Lafayette	6	5
Louisville	5	4
Erie	5	4
Superior	5	3
Total	46	38



MCM 6 Behavior Evaluation

Tier-1 Fleets, Golf, Parks, Streets, & Storm Maintenance

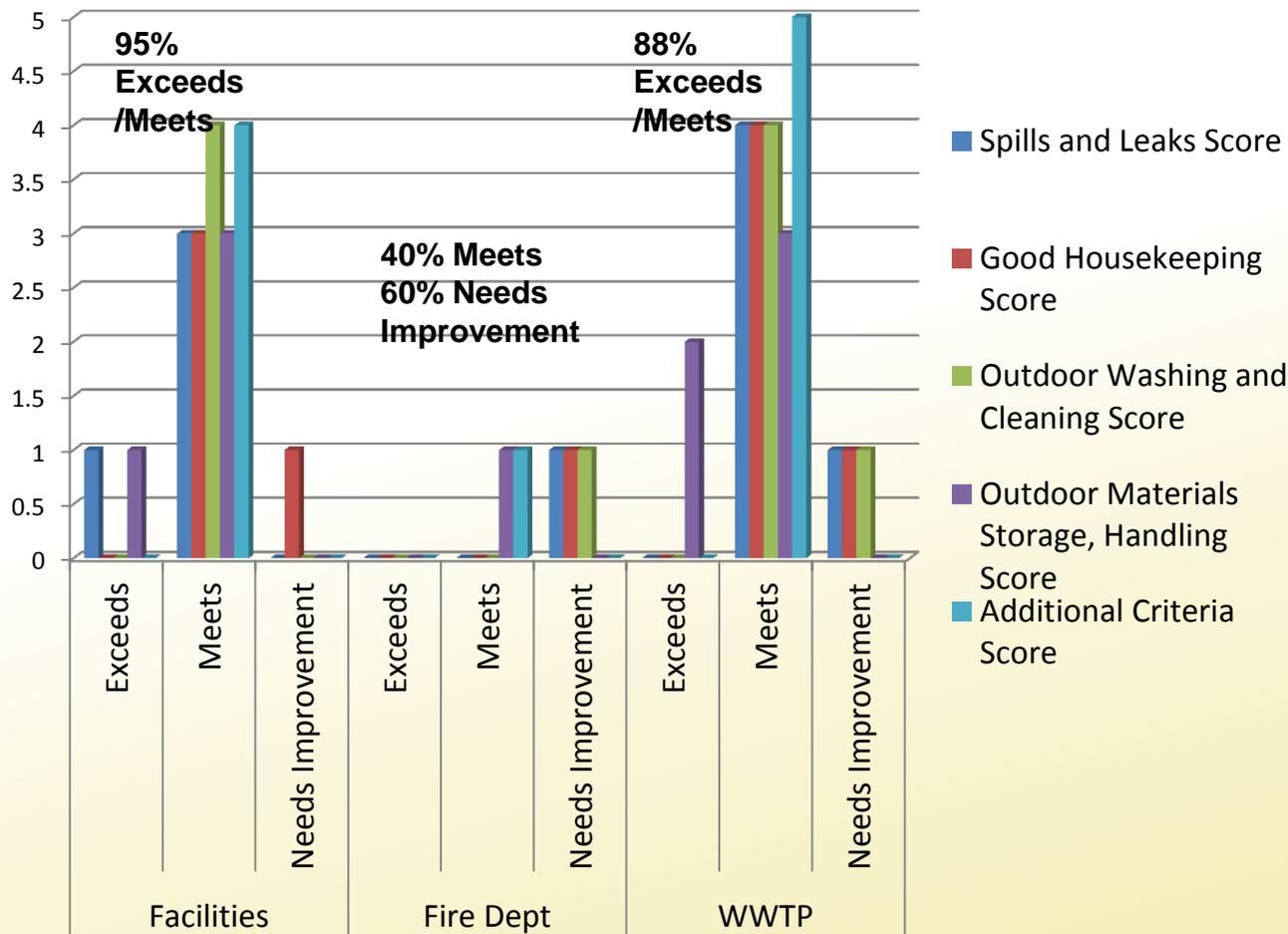


- All facilities “Exceed/Meet” in Outdoor Washing.
- Street facilities need the most improvement (Good housekeeping & Outdoor Materials)
- Good Housekeeping & Outdoor Materials are the areas that most “Need Improvement”.



MCM 6 Behavior Evaluation

Tier-2 Facilities, Fire Stations & WWTPs



- 10 site visits at Tier 2 facilities.
- 95% “Exceed/Meet”
- 3 out of 10 “Need Improvement” (in Good Housekeeping)
- Only 1 visit to Fire (COB)

MCM 6 Tier 1 and Tier 2 Behavior Summary

		2012	2013	2014
		Municipal Tier 1		
Fleets	Exceeds/Meets	83%	80%	80%
Golf	Exceeds/Meets	54%	61%	90%
Parks	Exceeds/Meets	70%	72%	88%
Storm	Exceeds/Meets	70%	80%	92%
Streets	Exceeds/Meets	63%	68%	71%

		2012	2013	2014
		Municipal Tier 2		
Facilities	Exceeds/Meets	74%	69%	95%
Fire Dept.	Exceeds/Meets	100%	80% **	40% *
WWTPs	Exceeds/Meets	83%	100%	88%

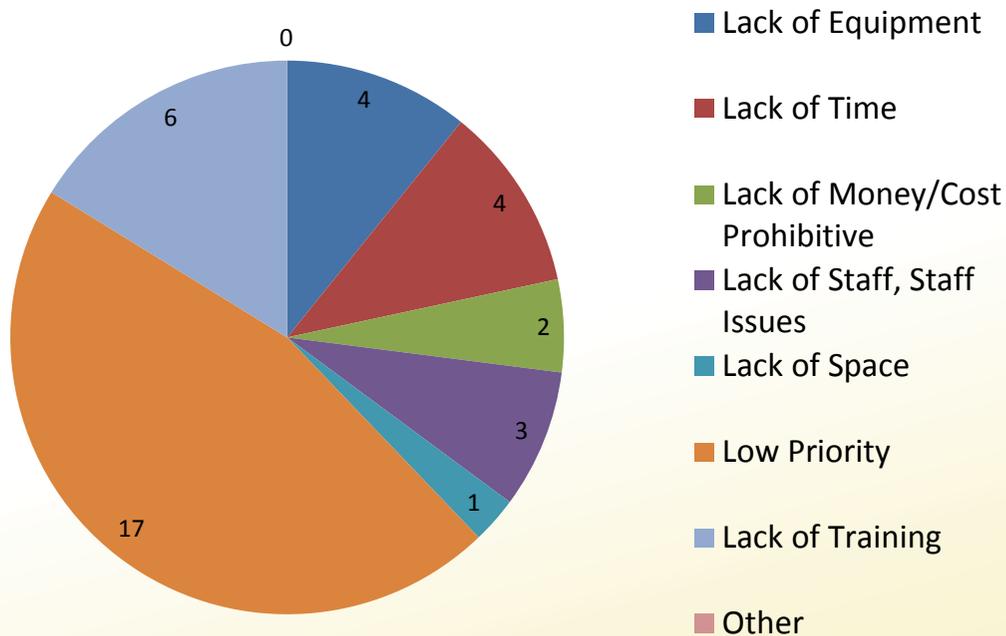
*Only 1 visit to COB's Fire Training Center in 2014

**Compared to 2 visits in 2013



MCM 6 Barriers

2014 Overall Barriers to BMP Adoption



2012 Barriers

1. Lack of Staff
2. **Low Priority**
3. Lack of Equipment

2013 Barriers

1. **Low Priority**
2. Lack of Staff
3. Lack of Equipment

2014 Barriers

1. **Low Priority**
2. Lack of Training
3. Lack of Equipment & Lack of Time (tied)

- *“It’s just dirt.”*
- *“There’s a recycled asphalt berm that will protect the creek.”*
- *“It’s not my job to clean it up.”*
- *“I didn’t know it (open container) was there.”*

MCM 6 Active and Threatened Discharges

Discharges from MCM 6 Site Visits and Windshield Surveys

	Boulder	Erie	Louisville	Boulder County	Superior	Lafayette	Total
Active	5*	0	0	*	0	0	5
Threatened	6	0	2	0	0	0	8

- *1 Active discharge in COB was from a Boulder County facility)
- 5 active discharges (4 identified by windshield & 1 by site visit)
- All active discharges were reported to the KICP contact immediately
- 8 threatened discharges (6 identified by windshield & 2 by site visits)

Types of Discharges:

1. Road construction sediment (5)
2. Wastewater (3)
3. Sediment from yards (2)
4. Hydraulic oil spill (1)
5. Outdoor storage (1)
6. Grease pit overflowing (1)



MCM 6 Employee Training

- **Stormwater 101** – revised to focus on the 5 Behavior Areas and reformatted to simplify the messages
- **Customized Trainings**
 - **Operations-Specific Training:**
 - Developed sector specific trainings for Golf and Parks
 - Developed training on nutrient management in compliance with CDPHE/WQCC's Nutrient Management Control Regulation No. 85
 - **Field Training:**
 - Training of municipal employees in the field observe municipal and county staff doing routine maintenance operations and to provide guidance outside of a classroom setting
 - Additional training provided to several communities with hours remaining



MCM 6 - 346 Employees Trained and Recognized

Municipality	# Employees
Boulder	144
Lafayette	55
Boulder County	75
Louisville	23
Erie	37
Superior	12
Total	346

- ◆ 313 employees signed the “Keep It Clean Pledge”
- ◆ 98 “Protect Storm Drains” stickers distributed
- ◆ 63 “Keep It Clean” static-cling window decals distributed
- ◆ ~160 “Keep It Clean Pledge” water bottles distributed during training classes.
- ◆ 25 Stormwater Heroes recognized!



MCM 6 Focus Areas for 2015

- Based on the success of the program these past 15 years, resulting in very high behavior area evaluation scores, the number of site visits and trainings are being reduced in 2015 so resources can be directed to higher priorities.
- Training sessions in 2015 will address the behavior areas that need the most improvement:
 - Good Housekeeping
 - Outdoor Materials Storage
 - Spills and Leaks
- Site visits will focus on the areas needing improvement for the specific facilities
- A region-wide training is also being proposed



Questions?