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Engineering Answers

Zachary A. Jilek, CPESC, CISEC
 Environmental Services Dept. Manager

E&A- P2015.717.002

Inspector: Chase Wickard		Stage
Project Name:	Bennington Storage CSW-201701311	2
For Week Ending:	2/10/2018	
Project Location:	12616 N. 156th Street, Bennington, NE (Douglas County)	68007

Grading:	100%			
Sanitary Sewer:	40%			
Storm Sewer:	22%			
Paving:	85%			
Seeding:	90%			
Utilities:	0%			
Overall Development:	38%			

RAIN FALL AMOUNTS	Amount in tenths	Date inspected	Weather Conditions	
				Week 1
Sunday:	0.00"			
Monday	0.00"			
Tuesday	0.00"			
Wednesday	0.00"			
Thursday	0.00"			
Friday	0.00"			
Saturday	0.00"			
				Week 2
Sunday:	0.00"			
Monday	0.07"			
Tuesday	0.00"	02/06/18	10/-2 Snow	
Wednesday	0.00"			
Thursday	0.00"			
Friday	0.00"			
Saturday	0.00"			
				Week 3
Sunday:	N/A			
Monday	N/A			
Tuesday	N/A			
Wednesday	N/A			
Thursday	N/A			
Friday	N/A			
Saturday	N/A			

Complaints:	

Construction Sequencing:
 Which portion(s) (i.e. drainage basins) of the site have had a temporary or permanent cessation of grading, earthwork, or ground disturbance in the last 14 days?

Entire Site scheduled for grading in the next 2 weeks (4/28/17). Site stripped (5/17/17). Grading was underway (6/05/17). Grading was completed prior to the inspection on 6/30/17. Minor grading to be completed at a later time.

Which portion(s) (i.e. drainage basins) of the site do not have grading, earthwork, or ground disturbance scheduled in the next 14 days? :

Entire Site scheduled for grading in the next 2 weeks (4/28/17). Site stripped (5/17/17). Grading was underway (6/05/17). Grading was completed prior to the inspection on 6/30/17. Minor grading to be completed at a later time.

What temporary or permanent stabilization measures listed in this section are being implemented?
Existing Vegetation (4/28/17). Prairie Construction seeded the site (8/16/17). Prairie Construction installed erosion control matting on the northeast corner of the site (8/16/17). Prairie Construction installed erosion control matting on the south, east, and northern borders of the site BMPs EM1-EM5 (8/21/17). The area north of Building A was seeded and matted (12/13/17). The area North of building C was seeded and matted (1/10/18).

SUMMARY QUESTIONS:
Are approved entrances and adjacent streets being maintained adequately?
No, See BMP Section

Are receiving waters adjacent to the project free of any significant signs of erosion or sediment that would be associated with the construction activity?
Yes

CHECKLIST QUESTIONS:
Are waste materials (concrete, construction material, hazardous, etc.) being managed properly?
Yes

Is dust associated with the construction activity adequately controlled on the site?
Yes

Comments:
Comments:
The site was covered in 4 to 5" of snow during the inspection on 2/6/18. Not all BMP's could be verified.

Findings / Corrective Actions (Date):
Findings / Corrective Actions (Date):
1.) Some maintenance required in BMP Section.
2.) The portable toilets located around the site need to be secured. Prairie Construction was informed to complete by 10/31/17. Not done as of the last inspection. Prairie Construction was reminded on 11/15/17, 12/27/17, 1/17/18.

Unique Name	Type	Location	Projected Install Date	Status	Maintenance
CE1	Construction Entrance	N. 156th Street	5/13/2017	Active	Yes
Current Condition:	Fair Condition 30% effective - The construction entrance was active during the inspection on 12/27/17. 1. Rock needs added to the entrance. 2. The entrance needs installed per the SWPPP 1. Prairie Construction was informed to complete by 1/17/18. Not done as of the last inspection. 2. Prairie Construction was informed to complete by 1/17/18. Not done as of the last inspection.				
CW 1	Concrete Washout	On Site	8/9/2017	Pending	No
Current Condition:	Pending - Prairie Construction removed the washout prior to the inspection on 12/13/17. The paving in the area has stopped, the inspector will monitor the need for re-installment.				
D 1	Diversion	North side of Site	7/13/2017	Active	Yes
Current Condition:	Good Condition - Prairie Construction installed the diversion prior to the inspection on 7/13/17.				
D 2	Diversion	South East site of Site	7/13/2017	Active	Yes
Current Condition:	Good Condition - Prairie Construction installed the diversion prior to the inspection on 7/13/17.				
D 3	Diversion	South side of site	6/24/2017	Pending	Yes
Current Condition:	Pending - The diversion needs to be installed. Prairie Construction was informed to complete by 6/24/17. Not done as of the last inspection. Prairie Construction was reminded on 7/5/17, 7/28/17, 8/18/17, 9/19/17, 10/10/17, 11/15/17, 1/10/18.				
D 4	Diversion	North of SB 2	6/24/2017	Pending	Yes
Current Condition:	Pending - The diversion needs to be installed. Prairie Construction was informed to complete by 6/24/17. Not done as of the last inspection. Prairie Construction was reminded on 7/5/17, 7/28/17, 8/18/17, 9/19/17, 10/10/17, 11/15/17, 1/10/18.				
EC 1	Erosion Control Transition Matting	Outfall of SB 2	8/5/2017	Pending	No
Current Condition:	Pending - To be installed once outfall is constructed.				
EC 2	Erosion Control Transition Matting	Outfall of SB 1	8/5/2017	Pending	No
Current Condition:	Pending - To be installed once outfall is constructed.				
EM 1	Erosion Control Matting	SE corner of site	9/5/2017	Pending	No
Current Condition:	Pending - The inspector will recommend the Erosion Control Matting is installed once the basin has been properly installed.				

EM 2	Erosion Control Matting	South side of site	8/21/2017	Active	No
Current Condition:	Good Condition - Prairie Construction installed erosion control matting prior to the inspection on 8/21/17.				
EM 3	Erosion Control Matting	SW corner of site	8/21/2017	Active	No
Current Condition:	Good Condition - Prairie Construction installed erosion control matting prior to the inspection on 8/21/17.				
EM 4	Erosion Control Matting	West side of site	8/21/2017	Active	No
Current Condition:	Good Condition - Prairie Construction installed erosion control matting prior to the inspection on 8/21/17.				
EM 5	Erosion Control Matting	NW corner of site	8/16/2016	Active	No
Current Condition:	Good Condition - Prairie Construction installed erosion control matting prior to the inspection on 8/21/17.				
EM 6	Erosion Control Matting	North side of site	7/13/2017	Active	No
Current Condition:	Good Condition- Prairie Construction installed erosion control matting prior to the inspection on 11/10/18.				
EM 7	Erosion Control Matting	North side of site	7/13/2017	Active	No
Current Condition:	Good Condition - Prairie Construction installed the erosion control matting prior to the inspection on 12/13/17.				
EM 8	Erosion Control Matting	East side of site		Removed	
Current Condition:	Removed - EM 8 was improperly placed onto the report. It is not present on the SWPPP.				
IP 1	Inlet Protection	SE corner of buildings	6/30/2017	Pending	Yes
Current Condition:	Pending - To be installed once inlet is constructed.				
IP 2	Inlet Protection	SE corner of buildings	8/5/2017	Pending	No
Current Condition:	Pending - To be installed once inlet is constructed.				
IP 3	Inlet Protection	SE corner of buildings	8/5/2017	Pending	No
Current Condition:	Pending - To be installed once inlet is constructed.				
IP 4	Inlet Protection	South of buildings	8/5/2017	Pending	No
Current Condition:	Pending - To be installed once inlet is constructed.				
IP 5	Inlet Protection	SW corner of buildings	8/5/2017	Pending	No
Current Condition:	Pending - To be installed once inlet is constructed.				
IP 6	Inlet Protection	West of CE 1	8/5/2017	Pending	No
Current Condition:	Pending - To be installed once inlet is constructed.				
IP 7	Inlet Protection	Near CE 1	8/5/2017	Pending	No
Current Condition:	Pending - To be installed once inlet is constructed.				
IP 8	Inlet Protection	SE corner of site	8/21/2017	Active	No
Current Condition:	Good Condition - Prairie Construction installed inlet protection prior to the inspection on 8/21/17.				
SF 1	Silt Fence	All sides of site	4/28/2017	Active	Yes
Current Condition:	<p>Fair Condition -</p> <p>1. The silt fence on the south side of the site needs cleaned out adjacent to the sediment basin and repaired. 2. A section of the silt fence on the western perimeter needs cleaned out and repaired.</p> <p>1. Prairie Construction was informed to complete by 10/14/17. Not done as of the last inspection. Prairie Construction was reminded on 11/15/17, 1/10/18. 2. Prairie Construction will be informed to complete when winter conditions allow.</p>				
SF 2	Silt Fence	East side of site	4/28/2017	Active	Yes
Current Condition:	<p>Fair Condition - Prairie Construction cleaned out the silt fence along N. 156th St. along the northern run of silt fence.</p> <p>1. The silt fence needs repaired in the southwest corner of the site along N. 156th St. 2. The silt fence needs repaired north of the construction entrance along 156th St.</p> <p>1. Prairie Construction was informed to complete by 10/14/17. Not done as of the last inspection. Prairie Construction was reminded on 11/15/17, 1/10/18. 2. Prairie Construction will be informed to complete when conditions allow.</p>				
SF 3	Silt Fence	NE corner of site	7/13/2017	Active	No
Current Condition:	Good Condition - Prairie Construction installed the silt fence prior to the inspection on 7/13/17.				
SF 4	Silt Fence	East corner of site	7/13/2017	Active	No
Current Condition:	Good Condition - Prairie Construction installed the silt fence prior to the inspection on 7/13/17. A brush pile is present on the side of the silt fence. The debris is not impacting the function of the silt fence currently as the area has vegetated.				
SF 5	Silt Fence	SE corner of site	7/13/2017	Active	No

Current Condition:	Good Condition - Prairie Construction installed the silt fence prior to the inspection on 7/13/17.				
SF 6	Silt Fence	SE corner of site	7/13/2017	Active	No
Current Condition:	Good Condition - Prairie Construction installed the silt fence prior to the inspection on 7/13/17.				
SB 1	Sediment Basin	SW corner of the site	5/5/2017	Pending	Yes
Current Condition:	<p>Pending - 10% full- Prairie Construction dug out the basin to accommodate the future riser installment.</p> <p>The riser needs installed.</p> <p>Prairie Construction was informed to complete by 6/24/17. Not done as of the last inspection. Prairie Construction was reminded on 7/5/17, 7/28/17, 8/18/17, 9/19/17, 10/10/17, 11/15/17, 1/10/18.</p>				
SB 2	Sediment Basin	SE corner of the site		Removed	
Current Condition:	Removed- Due to an updated SWPPP this basin is no longer needed prior to the inspection on 6/30/17.				
ST 1	Sediment Trap	NE corner of site	6/30/2017	Active	No
Current Condition:	Good Condition - 20% filled. Prairie Construction installed the silt trap prior to the inspection on 6/30/17.				
ST 2	Sediment Trap	East corner of site	6/30/2017	Active	No
Current Condition:	Good Condition - 20% filled. Prairie Construction installed the silt trap prior to the inspection on 6/30/17.				
ST 3	Sediment Trap	SE corner of site	6/30/2017	Active	No
Current Condition:	Good Condition - 10% filled. Prairie Construction installed the silt trap prior to the inspection on 6/30/17.				
ST 4	Sediment Trap	SE corner of site	6/30/2017	Active	No
Current Condition:	Good Condition - 10% filled. Prairie Construction installed the silt trap prior to the inspection on 6/30/17.				
SW 1	Straw Wattle	North of Building C	12/13/2017	Active	No
Current Condition:	Good Condition - Prairie Construction installed a straw wattle on the side of the paved road adjacent to building C prior to the inspection on 12/13/17.				
STR	Streets	On Site	4/28/2017	Active	Yes
Current Condition:	<p>Fair Condition - Site was covered with snow during the last inspection. The streets will be inspected during the next inspection.</p> <p>There is significant track out along 156th St. that needs cleaned.</p> <p>Prairie Construction was informed to complete by 1/11/17. Not done as of the last inspection.</p>				
SWPPP Sign	SWPPP Sign	N. 156th Street	6/24/2017	Active	No
Current Condition:	Good Condition - The inspector installed the SWPPP sign prior to the inspection on 9/5/17.				
Inspector Signature: <i>Chase Wilbeck</i>			Reviewed By: <i>Bob</i>		