



Aurora Distributed Solar, LLC

A Subsidiary of Enel Green Power North America, Inc.

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Tricia DeBleeckere

Minnesota Public Utilities Commission
121 7th Place E, Ste. 350
St. Paul, MN 55101
(Via E-Filing)

Aurora Distributed Solar Project
Docket # IP6928/GS-14-515
Information Request

Mrs. DeBleeckere,

Aurora Distributed Solar, LLC ("Aurora") respectfully submits the below additional responses as requested by the Minnesota Public Utilities Commission (the "Commission") on July 12, 2017.

9. Provide an update on the status and use of the Barr Engineering Environmental Inspectors. Provide an update on how Aurora is ensuring terms and conditions of the Commission's site permit, AIMP and VMP are being complied with and by what personnel.

- Barr was contracted by Aurora to conduct environmental inspections and as additional support to fulfill the requirements of the AIMP/VMP ("Agricultural Impact Mitigation Plan and Vegetation Management Plan") as well as the National Pollutant Discharge Elimination System ("NPDES") Construction Permits during the construction phase of the project. Barr's environmental inspectors are charged with conducting inspections to ensure Aurora's compliance with the site permit, the AIMP/VMP and the NPDES Construction Permits. Barr conducts inspections, trains Aurora staff to conduct inspections, and provides audits of necessary compliance measures.

The current contract with Barr coincides with the anticipated completion of construction activities, which are ongoing, but will be substantially completed in the near term. Aurora intends to continue utilizing Barr's services for environmental inspection and NPDES support purposes as construction is completed and the project moves into the post-construction operation phase. At Aurora's request, Barr has provided an updated proposal to continue performing environmental inspections, including Stormwater Pollution Prevention Plan ("SWPPP") inspections as required under the NPDES construction permits, through the end of 2017, with the anticipation that those services will continue to be assessed for contract renewal as required until the 16 facilities have reached the necessary levels of stabilized permanent vegetation to file Notices of Termination ("NOT") under the NPDES construction permits (see response to item 12 below regarding NOTs).

As summarized in the weekly construction updates filed by Aurora, restoration activities at the sites have continued based on regular feedback and guidance from Minnesota Native Landscapes ("MNL") regarding appropriate timing for restoration activities, including the application of the permanent vegetative seed mixes at each site. Aurora contracted with



MNL, as a restoration specialist, to complete the restoration activities in accordance with the site permit and the project's AIMP/VMP. To that end, MNL is responsible for AIMP/VMP required activities such as; de-compaction, stormwater best management practice maintenance and repair, temporary seeding, invasive vegetation management, and permanent seeding. Coordination of those activities continues to be conducted through Aurora's civil site lead who has also been the individual responsible for coordinating with the third party Ag Monitor, hired by Aurora to conduct agricultural inspections pursuant to the requirements of the AIMP/VMP, and is also responsible for providing the weekly AIMP/VMP tracker updates that have been filed into the above mentioned eDocket for the Project as requested by PUC staff.

10. Provide an update regarding which personnel is contracted or assigned to conduct SWPPP inspections.
 - Aurora has in-house staff who have been trained by Barr to conduct the required NPDES inspections at the sites in accordance with the NPDES construction permits and the various facilities Stormwater Pollution Prevention Plans (SWPPP). Approval of the revised contract with Barr is anticipated within the next week. Aurora anticipates that, pursuant to the revised contract, Barr will replace Aurora personnel and will conduct the SWPPP inspections through the end of 2017. If permanent vegetation is not established by the end of 2017 to file NOTs (as described in response 12 below), then Aurora will again revisit the need to extend or renew the contract with Barr, or another qualified SWPPP contractor, to complete the necessary SWPPP inspections until the NOTs have been filed for each site.
11. Provide status updates on the latest weekly reports and compliance trackers.
 - Please refer to Attachment 1 which is the most recent weekly construction and AIMP update. These reports were filed on Thursday, July 27th, 2017 (Document ID's 20177-134306-01 and 20177-134306-02).
12. Provide information on whether any Notice of Terminations (NOTs) have been submitted to the MPCA and whether there are anticipated dates for filing any site NOTs. Any NOTs that are submitted in the future for any of the sites should also be filed in the Commission's eDockets system within 3 days of submittal to the MPCA.
 - NOTs under the NPDES construction permit authorizations will be filed with the MPCA once all requirements of Parts IV.G.1 - 4. of the Minnesota NPDES/SDS Construction Stormwater General Permit have been met. Generally, the General Permit requires "Final Stabilization" prior to filing the NOTs. For example, Final Stabilization cannot be achieved until all soil disturbing activities are completed and all soils are stabilized by a uniform perennial vegetative cover with a density of 70 percent of its expected final growth density or other equivalent means necessary to prevent soil failure under erosive conditions. At this time, the



sixteen Aurora facilities do not meet those criteria. Aurora will continue to monitor the sites and perform the necessary restoration and maintenance of the sites until those standards are achieved and the NOTs can be filed. Aurora will concurrently file all NOT requests with the Commission, as requested.

13. Provide an update summary of the work conducted by Minnesota Native Landscapes (MNL) at each of the project sites during 2017. Detail what reseeding work has occurred, by site, and the length of time spent by MNL at each site and how much of that time was spent seeding or managing weeds.

Provide an update on the status of each site in regard to weed control and reseeding, either temporary or permanent reseeding.

Provide a summary of the planned work by MNL at each project site for the months of August, September and October and how that correlates to the proper reseeding timing needed to establish prairie habitat.

Detail any issues faced at each project site in regard to reseeding and re-vegetation and the planned methods for corrective action.

Provide a copy of the entire contract between Aurora and MNL for services.

- As requested, Aurora's entire contract with Minnesota Native Landscapes is provided as Attachment 2. In addition, Aurora has included all of the weekly schedule updates provided by our site construction staff for the work by MNL in 2017. These weekly construction updates also provide the status of weed control, temporary seeding and permanent seeding activities at each site. Currently MNL is continuing the seeding operations as site and climate conditions allow. At present, temporary seeding has been completed at all 16 sites, except for the areas that are still be disturbed due to civil restoration activities. Those areas will be seeded with temporary and/or permanent seed mixes as soon as disturbance activities are completed and conditions allow (as determined by MNL). MNL has also applied permanent seeding at 11 of the 16 sites. Aurora has been relying on the expertise of MNL to dictate when this activity will need to be stopped, or resumed, depending on climate conditions that may or may not be suitable for seeding the permanent vegetation. Similarly, Aurora will coordinate with MNL to determine when permanent seeding on the remainder of the sites may resume in the fall when air temperatures are lower and the likelihood of seed germination success is enhanced. In addition, MNL continues to support the project on vegetative maintenance and control of invasive species. This is currently being accomplished through a combination of mechanical mowing and herbicide application. Since the spring of 2017, multiple rounds of herbicide application have been completed at all sites where invasives have been identified, supported by the mowing activities, which are intended to limit seed production as the invasives begin to flower. Aurora intends to continue to utilize the support of MNL throughout the restoration process.



Aurora appreciates the opportunity to provide the requested information. Should you have any additional questions or concerns, please feel free to contact me at any time.

Sincerely,

**hans.vanlin
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om**

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Hans P. van Lingen
HSEQ Manager, North America-
Construction
Health, Safety, Environment & Quality
Enel Green Power North America, Inc.

Appendix 1

Aurora Solar Project

Memo

To:	Suzanne Steinhauer, MN Dept of Commerce	
From:	Frankie Lea Sr, Enel Green Power	Project: Aurora Solar Project
CC:	Hans van Lingen, Enel Green Power; Bob Patton, MDA; Cynthia Warzecha, MN DNR; Cezar Panait, MN PUC	
Date:	07/25/2017	

RE: Weekly Project Update Summary for **07/17/2017 – 07/22/2017**

Construction Activity Overview:

Site	This Week	Anticipated Next Week
Albany	Demob	
Annandale	SWPPP maintenance; Correcting punch list items;	Mowing
Atwater	SWPPP maintenance; Correcting punch list items;	Spraying
Chisago	SWPPP maintenance;	
Dodge Center	Mowing	SWPPP
Eastwood	SWPPP maintenance; Correcting punch list items;	SWPPP maintenance
Hastings	Correcting punch list items;	Mowing
Lake Emily	Correcting punch list items;	
Lake Pulaski	Correcting punch list items;	MNL Spraying / Cubitech, Premise
Lawrence Creek	Seeding	SWPPP maintenance
Montrose	SWPPP maintenance; Correcting punch list items;	Mowing
Paynesville	Correcting punch list items; Pile remediation; Security system install; Site cleanup	MNL Spraying / Punch Pout List
Pine Island	Correcting punch list items; Drain tile repair	MNL Mowing / Premise
Waseca	Site cleanup; Removing laydown yard	Finale Seeding
West Faribault	Mowing	SWPPP maintenance
West Waconia	Site cleanup; Finale seeding completed	Premise

Environmental:

Please see the updated AIMP Compliance Tracker compiled by Native Range Resources with concerns addressed by Enel, Blattner, IEA, MNL and numerous other subcontractors.

Aurora continues to provide updates to the inspector, either through pictures or site visits, and continues to work with the inspector to seek concurrence of those items in a timely manner.

General Information:

No issues to report.

Photos:

	
<p>Seeding at Lake Emily</p>	<p>Security system install at Montrose</p>
	
<p>Seed taking hold at West Faribault</p>	<p>Seeding the laydown yard at Montrose</p>
	
<p>Hydrovac at Waseca</p>	<p>Pile remediation at Paynesville</p>
	
<p>Seed taking hold at Montrose</p>	<p>Security system install at Paynesville</p>

Facility	Item #	Date Observed	AIMP Issues	Contractor Resolution	Date Completed	Verified By	Date Verified	Ag Monitor Comments
Albany	AL040802	4/8/2017	Central drainage ditch sides remain unstabilized and sediment deposition into the culvert is increasing.	Update: 7/11/17-Slopes and bottom ditch have established enough cover. After speaking with Shannon said it would be good. Update: 6/14/17 Sides have been stabilized with blankets, all that remains is the bottom. Area of concern is currently underwater. Once drainage ditch dries up, ditch will be cleaned out, seeded, and a blanket placed over to prevent further deposition. Under review for corrections addressed / corrective measures	11-Jul-17			Ditch was partially stabilized as of the 6/6/2017 inspection, further work expected during restoration.
Albany	AL040801	4/8/2017	Recoverable amounts of sand on top of topsoil are present in several locations, primarily along access roads and where sand was used to fill combiner trenches.	Update 7/11/17-Final seed has occurred and areas of concern were explained in detail to MNL. They are ripping along the roads and areas were potential concerns are. Site will be monitored for growth and remediated if needed. Update:6/14/17 Temporary seeding has occurred on site. Areas affected by the sand to fill trenches or on topsoil will be monitored. Where coverage does not establish, measures will be taken in order to facilitate growth. To be addressed as part of site restoration	JN 06/07			Most sand had been removed from soil surface as of the 6/6/2017 inspection.
Annandale	AN070601	7/6/2017	Canada thistle plants are re-emerging on the west end of the site.	Update 7/11/17Site has been sprayed twice. Thistle emerging is in patches and will be taken care of during SWPPP/AIMP remediation visits.				
Annandale	AN061501	6/15/2017	Silt fencing is being incompletely removed in some areas: un-staked silt fence installed by MNL in 2016 is being ripped off at ground level, leaving buried portions of the fencing in place.	Update:7/11/17-Silt fence still remains- item has been addressed several times and will continue to be until item has been remediated. 06/20: removed and addressed by MNL				
Annandale	AN053101	5/31/2017	Possible damage to drain tile; area along north side of access road continues to remain inundated. Water will inhibit revegetation of this portion of the site.	Update 7/11/17- Hodgmena has been fixing other sites with the same concerns and should be following back up with this site in the near future. Dates to follow as they are scheduled. Update 6/27/17- Hodgeman has visited site and has placed markers for two spots that have potential. follow up visit date to be confirmed. Update 6/14/17 Hodgeman is the tile contractor being used by Blattner. Investigation of possible tile strike to commence once availability dates have been verified. Following to be investigated further				
Atwater	AN051703	5/17/2017	Noxious weeds: Canada thistle plants are beginning to bolt; flowering and subsequent seed set are likely within one to two weeks depending on weather.	Update 7/11/17- Site has been sprayed twice at this point, site will be monitored during SWPPP activities and sprayed as required. Update:6/14/17 Second round of spray scheduled for 6/21/17 first spray done.	Sprayed 06/08 (KB)			
Atwater	AT111101	11/11/2016	Suspected drain tile damage in area of telecommunications installation on south side of perimeter fence just west of site entrance.	Update 6/27/17- Hodgeman has visited site and has placed markers for two spots that have potential. follow up visit date to be confirmed. Update 6/14/17 Hodgeman is the tile contractor being used by Blattner. Investigation of possible tile strike to commence once availability dates have been verified. Following to be investigated further				

Chicago	CH062901	6/29/2017	Area outside of perimeter fence has not yet been seeded.	7/11/17-MNL has been notified and will update further as things get scheduled.						
Chicago	CH062903	6/29/2017	Damage to vegetated areas due to equipment travel and material storage.	7/11/17-Due to work still ongoing, contractor have impacted the seeded areas. These areas will be monitored and repaired as needed.						
Chicago	CH062902	6/29/2017	Portions of laydown yard have no growth due to excess gravel remaining on soil surface.	7/11/17-Item has been discussed with MNL, waiting for a response as to what plan going forward to remediate area is. Will update further						
Chicago	CH060701	6/7/2017	Existing vegetation consisting of weedy species in some areas is becoming dense enough to interfere with establishment of native prairie.	Update 7/11/17- site is establishing native ssed, weedy vegetation will be remediated and re-seeded as necessary. Update 6/14/17 Spray scheduled no later then 6/23/17						
Dodge Center	DC070501	7/5/2017	Incompletely removed silt fencing and sediment-covered BMPs were observed periodically through the site.	Update:7/11/17- Silt fence still remains- item has been addressed several times and will continue to be until item has been remediated.						
Dodge Center	DC070501	7/5/2017	Untreated flowering Canada thistle plants were found in the large open area on the west side of the site.	Update 7/27/17- Site has been mowed completely mowed and will be monitored for future plants emergin. Update 7/11/17- Site has been sprayed twice at this point, areas will be monitored during SWPPP activities and sprayed as required. This site inparticular will be scheduled for another round as growth is more than patchy.						
Dodge Center	DC061501	6/15/2017	Gravel has washed off of access road onto adjacent topsoil north of the site entrance.	Update 7/27/17- Site has been completely ripped and tilled in preparation for final seed. Areas of concern have been noted and will be monitored for future growth. Update 6/29/17- Areas of concern noted and remediation will be implemented.						
Dodge Center	DC061502	6/15/2017	Some SWPPP BMPs are nearly buried or are obscured by dense vegetation; ensure complete removal during final restoration.	Update 7/27/17- Site has been completely ripped and tilled in preparation for final seed. Silt fence and bmp's to be replaced after complete. Update 6/29/17 SWPPP is on going and item will be fixed upon next site visit.						
Dodge Center	DC060502	6/5/2017	Northern swale still has laydown yard material bladed over subsoil.	Update 7/27/17- Site has been completely ripped and tilled in preparation for final seed.Areas will be monitored for growth and remediated if required. Update 7/11/17- Material still present as time to last inspection. Item has been added to punchlist and further works to continue until resolution. Site visit on 6/15/17, update and resolution to follow.					Laydown yard material (gravel) was still present in the swale at the time of the 6/15/2017 site visit. A significant amount of gravel also remained in a berm along the east side of the swale. The material should be removed prior to final seeding activities.	
Dodge Center	DC060501	6/5/2017	Open area on west side of central access road has had a significant amount of soil material bladed out; the material looks to have come from the large subsoil stockpile that is located on the northern laydown area.	Update 7/27/17- Site has been completely ripped and tilled in preparation for final seed.Areas will be monitored for growth and remediated if required. Update 7/11/17- Site is scheduled for final seed in the coming week. Areas will be monitored afterward for growth and fixed as needed. Area of concern will be monitored for growth and fixed if needed.					If Enal chooses to leave the material in place the area will need to be monitored for successful vegetation establishment.	

Dodge Center	DC051502	5/15/2017	6/15/2017 UPDATE: Erosion continues to persist in areas that were formerly left as grassed swales in the farm field prior to the start of construction on this site. ORIGINAL ITEM: Erosion and sedimentation; topsoil has eroded off of subsoil in multiple areas.	Update 7/27/17- Site has been completely ripped and tilled in preparation for final seed. Areas will be monitored for growth and remediated if required. Update 7/11/17- Final seed will take place in the coming week. Areas of concern to be stabilized after seeding occurs to prevent further erosion. Civil contractor works completed, item to be verified					6/15/2017: Washed sediment has been scraped from the area in the northeast corner of the arrays and replaced back uphill. Areas of erosion remain; a plan for restoration that includes specific control measures for erosion in the formerly-grassed swales should be implemented during final restoration work on this site.
Dodge Center	DC071201	7/12/2017	Materials were staged on the lower laydown area following gravel removal; the materials are located on a slope in a manner that is causing erosion down slope.	Update 7/19/17- Staged materials for O&M. Seeding contractor on site. Reels to be cleaned up and seeded as best practices allow.					
Eastwood	EA061401	6/14/2017	Excessive amounts of gravel remain on topsoil on south side of entrance access road following civil restoration and removal of soil/gravel piles in this area. Amounts of gravel are very likely to interfere with vegetation establishment.	Update 6/29/17- gravel will be taken care of as best as possible. Final seed to be scheduled and area monitored afterward for growth.					
Eastwood	EA061402	6/14/2017	Plastic sheeting used to cover spoil piles has degraded and is being blown into the field. Sheeting should be removed and properly disposed of.	Update 7/11/17- spoil piles added to punchlist as items needing fixed. During remediation, plastic will be removed prior to earthwork. Items to be addressed with contractor. Update to follow in coming days.					6/30/2017: Majority of plastic was removed, many smaller pieces remain but will be difficult to recover due to size and weed cover.
Eastwood	EA053103	5/31/2017	A piece of broken corrugated drain tile was observed buried in the mud along a motor trench. Problems with drain tile function are presumed to be the cause of the excessive standing water on this site; see also Compliance Item EA110103.	Update 7/27/17- Tile contractor hasn't been back as of current date. Still working out time frame. Update 7/11/17- Hodgeman coming back to site in the coming days to verify/fix more tile. Further updates as work continues. Update 6/27/17- Hodgeman has completed fixes on drain tile and area of concern is draining properly. Other area on site with ponding issues is in a verified wetland with drain tile with no outlet. Area to be evaluated and update to follow. Update 6/14/17 Hodgeman is the tile contractor being used by Blattner. Investigation of possible tile strike to commence once availability dates have been verified. Prior resolution: "Drain tile contractor to be onsite to investigate 3rd or 4th week of November."					
Eastwood	EA053101	5/31/2017	Construction-related large rock and timber shards from broken mats were observed in the farm field immediately adjacent to the access road outside of the perimeter fence.	Update 7/27/17- Shards were not picked in time and farm field has heavy crop. As noted previously, item has been added to punch list and will be corrected when available. Update 7/11/17- This item has been added to Punchlist. MNL scheduled to work on SWPPP/Ditch area this week and hope to remediate this time as well. Update 6/14/17 Timber shards and large rock to be removed from field.					
Eastwood	EA053102	5/31/2017	Pallets, soil stockpiles, and other miscellaneous small construction materials remain in the field; materials may not all be retrievable at the moment due to standing water.	Update 7/11/17- Some items have been removed, more work is needed and is ongoing. Update: 6/14/17 all stock piles on site to be cleaned up, tracked in, and seeded.					6/30/2017: Various items are becoming recoverable due to improving site conditions.

Eastwood	EA110103	11/16/2016	Potential drain tile issues resulting in chronically wet portions of the western side of the site.	Update 7/27/17- Tile contractor hasn't been back as of current date. Still working out time frame. Update 6/27/17- Hodgman has completed fixes on drain tile and area of concern is draining properly. Other area on site with ponding issues is in a verified wetland with drain tile with no outlet. Area to be evaluated and update to follow. Update 6/14/17 Hodgman is the tile contractor being used by Blattner. Investigation of possible tile strike to commence once availability dates have been verified. Prior resolution: "Drain tile contractor to be onsite to investigate 3rd or 4th week of November (2016)"					6/30/2017: Much of site is draining well after repair in one location, with just a few areas of standing water left. Additional repairs are expected to occur due to multiple locations of tile interference with piles and trenches.
Eastwood	EA111601	11/16/2016	Subsoil spoils remain on topsoil surface in several areas where trenching has been completed.	Update-7/11/17- Areas of concern have been added to punchlist. Cleaning and grading in areas is needed prior to final seed. Prior resolution: "Some material has been scraped and cleaned up, much more subsoils remain but are actively being removed."					6/30/2017: Many areas of subsoils and sand have been cleaned from topsoil surface. Remaining spoil piles are in the area that was previously flooded but will soon be accessible due to improving conditions.
Eastwood	EA110101	11/7/2016	Imported heavy rock for shoring up the access road was dumped into deep ruts.	Update-6/14/17 Temporary seeding has occurred on site. Areas affected by the sand to fill trenches or on topsoil will be monitored. Where coverage does not establish, measures will be taken in order to facilitate growth. Prior resolution: "Rock to be scraped by contractor and placed into mixed aggregate pile and ruts are to be backspread."					6/14/2017: Rock was not removed prior to temporary seeding. Current plan is to monitor establishment of temporary vegetation and take additional action only if rock interferes with temporary seed prior to final seeding. If seed establishes sufficiently, the final result will allow larger rock to remain in the field.
Eastwood	EA110102	11/7/2016	Topsoil is not being segregated from subsoil stockpile; stockpiled topsoil is being buried under subsoil and imported rocky material.	Update: 6/14/17 all stock piles on site to be cleaned up, tracked in, and seeded. Prior resolution: "To be completed by contractor by end of day 11/8/2016."					6/14/2017: Current plan is to track in and seed as noted in Contractor Resolution. Subsoil spoils are to remain on top of topsoil rather than buried as proper protocol would dictate. Reasons for the final plan include lack of workspace needed for civil work to bury the piles and high water table. Final result is due to overall poor planning by contractor performing the initial trench and construction work.
Eastwood	EA102101	10/21/2016	Large topsoil stockpile to the west of the main subsoil pile will require screening to remove large rock that was incorporated from the access road near the SCADA house.	Update 7/27/17- Stockpiles still remain on site. Some of the plastic has been removed that was covering the piles. Areas are still on punch list to be remediated, waiting on confirmation from contractor of when that will happen. Update: 6/14/17 all stock piles on site to be cleaned up, tracked in, and seeded. stockpile to be covered with topsoil and seeded					6/14/2017: Current plan is to track in and seed as noted in Contractor Resolution. Subsoil spoils are to remain on top of topsoil rather than buried as proper protocol would dictate. Reasons for the final plan include lack of workspace needed for civil work to bury the piles and high water table. Final result is due to overall poor planning by contractor performing the initial trench and construction work.
Eastwood	EA050301	5/3/2016	Water is backing up in the county road ditch at the site entrance; broken drain tile is presumed to be the cause.	Update 7/11/17- Hodgmen verified tile was in good shape, ditch line was not cleaned up from boring. Area is scheduled for work this week and should be completed by weeks end. Update 6/14/17 Hodgman is the tile contractor being used by Blattner. Investigation of possible tile strike to commence once availability dates have been verified ditch currently dry. still need to check the drain tile					6/14/2017: Water has again backed up following rain events on 6/12 and 6/13. Hodgman was confirmed to be onsite 6/16/2017. Additional repair updates will be added to this record as they are made.

Eastwood	EA032901	3/29/2016	A deep rut caused by equipment traveling onto a previously trenched area exposed a significant amount of subsoil in an area that previously had ample topsoil; significant soil mixing occurred during trenching in this area.	Update:6/14/17 Temporary seeding has occurred on site. Affected areas will be monitored. Where coverage does not establish, measures will be taken in order to facilitate growth.civil contractor works completed on 06/02, areas identified to be verified again after CCTV trenches works	06/02 (kB)			6/14/2017: Subsoil has been covered with adjacent topsoil; area will be monitored through restoration to determine further measures needed (if any) for vegetation establishment.
Hastings	HA040601	4/6/2017	Drilling tailings and excess grout are present around grouted piles in the upper elevations of the site; material will likely interfere with revegetation efforts.	Update 7/11/17- as stated, tailings remain where piles were drove. Permanent fix will be addressed during site restoration as discussed with Shannon. A formal plan for activities to follow. Update 6/27/17- Item of concern has been addressed and corrected during punchlist work. Needs verification from Shannon. Under review for corrections addressed / corrective measures. Civil contractor on site, items will be addressed	23-Jun-17			Tailings remain as of 7/5/2017 site visit.
Lake Emily	LE063001	6/30/2017	A remaining pile of subsoil and gravel material was found under an array near the SCADA. Pile should be removed and the area seeded if necessary.	Update 7/11/17- Site has been final seeded. Growth will be monitored around areas and remediated if required.				
Lake Emily	LE063002	6/30/2017	Blooming Canada thistle plants observed along the berm on the northwestern edge of the site.	Update 7/11/17Site has been sprayed twice. Thistle emerging is in patches and will be taken care of during SWPPP/AIMP remediation visits.				
Lake Emily	LE053102	5/31/2017	Gravel for the combiner pads is already eroding onto topsoil and may interfere with vegetation establishment.	Update 7/11/17- Site has been final seeded. Growth will be monitored around areas and remediated if required.	30-May-17			
Lake Emily	LA050801	5/8/2017	A substantial amount of material from the subsoil pile that was located in the northwest corner of the site was found to have been used by the Blattner civil crew to fill ruts in topsoil.	Update 7/11/17- Site has been final seeded. Growth will be monitored around areas and remediated if required.	30-May-17			
Lake Emily	LE040502	4/5/2017	6/29/2017 UPDATE: Tile inlets need to be cleaned out down to the soil surface, disposing of accumulated sediment, straw mulch, and old BMPs. Original record: Drain tile inlets are in need of maintenance to remove debris and provide sediment control.	Update 7/11/17- Inlets need to be fully cleaned out; item was addressed with contractor. Results to follow as work proceeds. Update 6/14/17 Some tile inlets have new BMP's around them, still need to be cleaned out. Will have MNL complete this task as they progress through the sites.				New BMPs were added although installation was insufficient; proper installation was demonstrated and information was passed on to HSEQ manager while we were still onsite.
Lake Emily	LE031503	3/15/2017	6/29/2017 UPDATE: Additional metal binding straps and green plastic bands have surfaced, as well as remnant silt fencing and road fabric. Silt fencing was found to have been torn off at ground level rather than completely removed. 6/14/2017 UPDATE: Additional amounts of trash have been exposed by civil restoration work. Original record: Trash and packaging materials are present throughout the site.	Update 7/11/17- More materials becoming exposed as dirt work continues. Cleanup will be ongoing and items picked up and removed. Site has been cleaned	9-Jun-17			UPDATE: Additional cleanup needed in some areas as more material was exposed during seeding. Silt fencing needs to be removed completely rather than torn off at ground level. Site was previously cleaned; additional amounts of trash have been exposed during civil restoration work.
Lake Emily	LE031501	3/15/2017	Recoverable amounts of sand and gravel were deposited onto topsoil during snow plowing activities; material may interfere with vegetation efforts.	topsoil not to be used, pile to be covered and seeded				Topsoil berm to be monitored until sufficiently stabilized.
Lake Emily	LE031502	3/15/2017	Subsols are present at the surface in multiple locations in amounts that may interfere with reseedling efforts; subsols are the result of inadequate topsoil management during 2016 construction.	temporary seeding has occurred, results to be evaluated after grass growth				Vegetation to be monitored to ensure sufficient establishment in problem areas.

Lake Pulaski	LP041801	4/18-20/2017	Title inlet was found with no sediment controls; discharge of sediment-laden water resulted in nuisance conditions on neighboring property. UPDATE: CONTROLS WERE INSTALLED BUT WATER WAS FLOWING UNDER THEM INTO THE INLET.	Update 7/11/17- MNL to visit site this week. Inlet drain will be addressed and fixed. Update: 6/14/17 Sediment controls will be re-established in area of concern, pictures to be shared once complete sediment control has been placed at tile inlet	30-May-17	7/13/2017 UPDATE: Sediment controls remain undercut; broken tile that was the source of the flowing water was repaired and no water is currently entering the inlet. 6/29/2017 UPDATE: Inlet found to have sediment controls installed; however water was flowing under the controls and entering the inlet with no treatment. Original record: No sediment controls had been placed around the inlet as of the inspection on 6/20/2017.
Lake Pulaski	LP062001	6/20/2017	Ensure all disturbed areas within the project ownership area are seeded with final seed mix, including those outside of the perimeter fence.	Update 6/29/17-Final seed not complete, contractor made aware of concern and will ensure final seed is planted.		
Lake Pulaski	LP062002	6/20/2017	Ensure blanketed slope near pond on northern perimeter was seeded with final seed mix; smooth slope and reblanket if necessary to stop continued erosion.	Update 6/29/17-concern noted and contractor made aware, we will ensure final seed is planted.		
Lake Pulaski	LP060102	6/1/2017	Continued erosion and sedimentation causing impacts to final seeded/restored areas.	Update 7/27/17: All tile has been repaired on site. Tile are free flowing and draining currently. Areas that were wet are starting to dry and final restoration will continue once available. Update to follow Update 7/11/17- Drain tile has been repaired. Areas not stabilized due to water will be looked at and scheduled for final seed/stabilization. works on going to stabilize the site and prevent erosion		Large portions of site are complete, areas underwater from plugged tile inlets remain to be seeded/stabilized.
Lake Pulaski	LP060101	6/1/2017	Vegetation emergence is variable and showing signs of soil deficiencies.	results and proper remediation to be evaluated after grass growth		Monitor vegetation establishment periodically through the growing season to evaluate soil suitability and restoration success.
Lake Pulaski	LP052502	5/25/2017	Crushed granite remains off road in quantities that can interfere with revegetation. Recoverable quantities of granite are present along temporary access road, in areas that have eroded, and along the primary entrance access road. Large rock that can interfere with revegetation has also been brought to the surface by seed bed preparation.	Update 7/11/17- Final seed in areas has occurred. Growth will be monitored and remediated as required. MNL to clean up areas prior to final seed them		Areas in question remain noted on the Barr maps; all areas have been final seeded and rock had not been removed as of the 6/6/2017 inspection.
Lake Pulaski	LP052503	5/25/2017	Drain tile inlet was unplugged without authorization, releasing a large amount of turbid water with no adjacent slope stabilization or sediment controls around inlet.	Issue addressed to the contractor, on going stabilization occurring to prevent future mishaps. No new evidences of turbid water have been identified in the lake/ponds nearby	11-Jul-17	Water entering the open inlet at the time of the 6/6/2017 inspection was clear and was found to be coming from a nearby tile blowout (See item LP060601). No sediment controls had been placed around the inlet. Site has been final seeded and mulched.
Lake Pulaski	LP052501	5/25/2017	Light ripping has brought additional construction trash to the surface of worked areas.	site will be cleaned as works progress		

Lake Pulaski	LP051803	5/18/2017	Multiple repairs/enhancements to SWPPP BMPs are needed to keep available topsoil from washing away and to keep subsoil sediment from washing onto topsoil.	Update 7/27/17: All tile has been repaired on site. Tile are free flowing and draining currently. Areas that were wet are starting to dry and final restoration will continue once available. Update to follow. Update 7/11/17: Drain tile has been repaired. Areas not stabilized due to water will be looked at and scheduled for final seed/stabilization. Update 6/14/17 New BMP's have been placed around site. Hydromulched area's have stabilized the biggest areas of concern. Site will be monitored for any new erosion and handled appropriately. Ongoing work onsite to address erosion.				Large portions of site are complete, areas underwater from plugged tile inlets remain to be seeded/stabilized.
Lake Pulaski	LP051801	5/18/2017	Significant widespread erosion and sediment flows. Gravel material has eroded onto topsoil and topsoil has washed onto road in multiple areas.	Update 7/27/17: All tile has been repaired on site. Tile are free flowing and draining currently. Areas that were wet are starting to dry and final restoration will continue once available. Update to follow. Update 7/11/17: Drain tile has been repaired. Areas not stabilized due to water will be looked at and scheduled for final seed/stabilization. Ongoing work onsite to address erosion. Seeding is beginning to emerge and stabilize the site.	In Progress			Large portions of site are complete, areas underwater from plugged tile inlets remain to be seeded/stabilized.
Lake Pulaski	LP031602	3/16/2016	Erosion and sedimentation issues resulting from lack of stabilization across much of the site; previously applied straw mulch has been mucked into the soil and is minimally effective or not at all.	Update 7/11/17: Drain tile has been repaired. Areas not stabilized due to water will be looked at and scheduled for final seed/stabilization. Final Seeding, Hydro Mulching, and Straw mulching.	Complete SC 06/09			Large portions of site are complete, areas underwater from plugged tile inlets remain to be seeded/stabilized.
Lake Pulaski	LP071301	7/13/2017	Sediment bag remains on the east side of Eaken Ave.	Update 7/19/17: Contractor notified of bag and plans on removing when punchlist crew mobilizes.				
Lawrence Creek	LC051602	5/16/2017	Wetland perimeter BMPs have again been run over and damaged. Significant new rutting is present within the wetland perimeter.	Update 6/14/17 old logs found in area covered by weeds and grass, logs to be hauled off at earliest convenience. bmps repaired and old logs hauled off civil crew addressed issue, remaining to be fixed during final seeding	9-Jun-17			6/15/2017: Several repairs have been made to wetland perimeter BMPs. One location of damaged BMPs still present.
Lawrence Creek	LC040602	4/6/2017	Imported rock left over from SCADA building remains along the central access road.	bmps repaired and old logs hauled off	9-Jun-17			
Lawrence Creek	LC040603	4/6/2017	UTVs have run over multiple wetland perimeter BMPs rendering the controls minimally effective and causing rutting within the wetland perimeter.	Update 6/28/17- Zach Erickson on site and verified MNL has hydro mulched slope for stabilization. Update 6/27/17-issue has been addressed with contractor, erosion controls to be implemented as soon as possible. Date item fixed to follow.	11-Jul-17			
Montrose	MO062003	6/20/2017	Former laydown area is lacking mulch or other stabilization. No erosion is currently occurring but this area is known to wash significantly during heavy rain events.	Update 7/27/17- Growth in areas of concern starting to emerge. Site will be monitored further and updated with progress. Update 6/27/17- area to be visited and verified by Shannon for completion, site has been cleaned	11-Jul-17			
Montrose	MO062004	6/20/2017	Gravel from the inverter pad has washed onto adjacent topsoil.	Update 7/27/17- Contractor has yet to re-mobilize to site. Item has been added to punch list. MNL is aware of that item needs to be corrected. Update 6/27/17-Seed contractor to remobilize to site, date will be updated when known.				
Montrose	MO062001	6/20/2017	Some areas remain to be seeded with the final seedmix, namely the area on the southwest corner of the project ownership area that is outside of the perimeter fence, and the sediment trap area on the south side of the site.					

Montrose	MO062002	6/20/2017	Various trash items need to be removed, including plastic wrapping and misc. sediment control items like torn silt fencing.	Update 7/27/17- Trash remains to be picked up as they are found. Items being found as walks occur. Update 6/27/17- Items identified and areas of concern will be addressed this week, update to follow for date fixed.					
Montrose	MO052501	5/25/2017	Sediment controls around drain tile inlets are in need of maintenance prior to next rain event.	Update 6/27/17- sediment controls have been addressed 6/23/17 MNL to be scheduled for repairs	23-Jun-17				
Montrose	MO051803	5/18/2017	Imported gravel material placed for combiner pads is eroding onto surrounding topsoil.	Update 7/27/17- Growth in areas of concern starting to emerge. Site will be monitored further and updated with progress. Update 7/11/17- Areas of concern will be monitored for growth and remediated if required. Under review for corrections addressed / corrective measures					
Montrose	MO051802	5/18/2017	Likely damage to drain tile system evidenced by inlet failing to drain water from ponded area.	Update 7/11/17- Hodgeman has come out to site. Multiple areas were probed with no findings of broken tile. Area believed to be low lying and holds water. Drain tile contractor to be scheduled to resolve	11-Jul-17				
Montrose	MO040801	4/8/2017	A sinkhole was present in the central portion of the site that may be indicative of drain tile damage. 4/20/2017 UPDATE: LARGE AREAS OF STANDING WATER INDICATIVE OF TILE DAMAGE.	Update 7/11/17- Hodgeman has come out to site. Multiple areas were probed with no findings of broken tile. Area believed to be low lying and holds water. Drain tile contractor to be scheduled to resolve	11-Jul-17				
Montrose	MO040701	4/7/2017	Subsoil and other imported materials are covering the topsoil in several locations.	Update 7/27/17- Growth in areas of concern starting to emerge. Site will be monitored further and updated with progress. Update 6/27/17- Final seed was accomplished on 6/22-6/24. Site will be monitored going forward for areas of concern. temporary seeding has occurred, results to be evaluated after grass growth	27-Jun-17				
Montrose	MO040702	4/7/2017	Trash that was previously frozen into the soil is now loose and able to be recovered/disposed of.	Update 6/27/17- More debris was found and will be taken care of, date of accomplishment to follow. civil crew works completed	1-Jun-17				
Paynesville	PA051701	5/17/2017	Noxious Weeds: Canada and plumeless thistles were observed onsite. Canada thistle is bolting and is expected to flower and set seed within a week to ten days depending on weather.	Update 7/27/17- Site has been sprayed again as of this week. multiple locations with thistle started to bloom. Will continue to monitor for emerging thistle and spray as needed. Update 7/11/17- Site is in good condition upon second spray. Wet land area needs attention and has been brought to the attention of contractor to be sprayed at earliest time. Update 6/27/17- Site has been sprayed twice. Follow up spray as needed. Update 6/14/17: Scheduled for second spray on 6/21/17 Currently working with contractor to begin weed control weather permitting. Scheduled to be sprayed 6/6/17	Sprayed DO- 06/06			6/29/2017: Thistle has been sprayed with good results across most of the site. However significant thistle patches are still present in the large wetland area on the west section of the site. Thistles are in late bloom to early seedset.	
Paynesville	PA051701	5/17/2017	Significant ruts were present within the wetland boundary.	Under review for corrections addressed / corrective measures	non issue to be verified by Shannon	29-Jun-17			Once water receded the ruts were deemed shallow enough to be left as is. Additional work to back drag/smooth the ruts will cause more damage than good.

Pine Island	PI061502	6/15/2017	Topsoil is eroding from the stockpile in the southeast portion of the site; pile was never seeded or otherwise stabilized.	Update 7/11/17- Drain tile has been fixed in several locations. Water is draining off site currently. Site works will resume as conditions allow. Update 6/27/17-Site conditions not conducive for work. Drain tile repairs to take place soon and civil works can follow. Item will be taken care of and date of completion to follow.					
Pine Island	PI061501	6/15/2017	Woody vegetation, primarily boxelder saplings, are becoming established in the open area outside of the perimeter fence on the south side of the project. This is a leased site and the field must be maintained in a state that will allow for return to an agricultural capacity.	Will verify with Shannon pertaining to area in question and come up with a solution.					
Pine Island	PI051501	5/15/2017	6/15/2017 UPDATE: Significant plumelless thistle infestation developing outside of the perimeter fence on the south side of the project ownership area. Plants are continuing to emerge and are still in the rosette stage. Canada thistle plants within the perimeter fence are beginning to flower. ORIGINAL ITEM TEXT: Noxious Weeds: Canada thistle, wild parsnip and glossy buckthorn were identified onsite.	Update 7/11/17- Site has been sprayed twice to date and will continue to monitor for this site and spray as contractor is on site. Update 6/27/17-site has been sprayed once and is on the schedule for a second round this week to hit any missed or recently come up. Complete date to follow. Update 6/14/17: Spray Scheduled for 6/14/17. Currently working with contractor to begin weed control by June 16th					Plants had not yet been sprayed as of the 6/15/2017 inspection.
Waseca	WA063002	6/30/2017	Silt fencing is being incompletely removed in some areas; un-staked silt fence installed by MNL in 2016 is being ripped off at ground level, leaving buried portions of the fencing in place. Other silt fencing being incompletely removed as well.	Update 7/11/17-Issue has been verified on multiple sites. Contractor made aware of issue and asked to completely remove going forward and remove what was left.					
Waseca	WA052404	5/24/2017	Extensive mixing of subsoil/topsoil horizons on the uphill portions of the central access road; excessive subsoils remaining on the surface of trenched areas in the vicinity.	Update 6/27/17-Per GIS map, areas of concern have been remediated. Verification needed by Shannon. to be corrected during civil restoration	27-Jun-17				
Waseca	WA032901	3/29/2017	Equipment using multiple travel paths, causing rutting across a wide area.	Update 7/11/17- Contractor starting civil/restoration activities. Site was looking to be in good conditions as work progressed. To be addressed as part of site restoration. Travel paths have been reviewed with contractor.					7/12/2017 UPDATE: Rutted areas have largely been repaired. As of the 6/5/2017 inspection some areas have been worked with a box blade and blocked off with cones to reduce unnecessary travel.
Waseca	WA032902	3/29/2017	Inadequate or no separation of soil horizons in some trenched locations.	Under review for corrections addressed / corrective measures	27-Jun-17				Trenching has been completed on this site. Areas with excessive residual subsoil at the surface should be monitored throughout restoration to ensure adequate vegetation establishment.
Waseca	WA071201	7/12/2017	Access road gravel and inverter pad material has been eroded onto topsoil down-gradient from its source.	Update 7/27/17 Rains continued throughout the week causing more gravel and pad material to wash. Items to be addressed by contractor and update to follow. Update 7/19/17-Civil contractor on site and has been notified of concern previously and plan is for removal and replacement to appropriate areas.					
Waseca	WA071202	7/12/2017	Sheet erosion has washed topsoil downhill and also deposited eroded subsoils on top of topsoil.	Update 7/27/17 Rains continued throughout the week causing more gravel and pad material to wash. Items to be addressed by contractor and update to follow. Update 7/19/17-Civil contractor on site and has been notified of concern previously and plan is for removal and replacement to appropriate areas.					

West Fairbault	WF061401	6/14/2017	Newly placed class five gravel has eroded off of access road and onto adjacent Topsoil	06/20- Blattner cleaned up roads and shoulders.	ES - 06/20				7/7/2017 UPDATE: Some large rock remains along the access road and in the vicinity of PCU2. All areas have been final seeded and no plans for further rock removal are in place. 6/14/2017: A significant amount of large rock was removed with rock rake; additional raking may be needed as more rock is pulled up during ripping at time of final restoration.
West Fairbault	WF052403	5/24/2017	Imported rock off of access road; large rock is present in significant quantities along the entire extent of the access road within the site perimeter. Residual imported material left over from gravel stockpiling is present on topsoil near SCADA.	Blattner Civil Crew on work is on going. Item will be addressed with site lead	complete ES - 06/07				
West Fairbault	WF052401	5/24/2017	Noxious weeds; Some Canada thistle plants around the main laydown yard are beginning to bolt. Infestation is not as severe as on other sites. Glossy buckthorn present along access road down hill. 6/5/2017 UPDATE: DENSE PATCHES OF THISTLE ARE PRESENT OUTSIDE OF FENCE ON EAST SIDE AND WITHIN THE SITE WHERE 2016 SPRAY ACTIVITIES MISSED AREAS.	Update 7/11/17- Thistle in areas as stated by Shannon. Contractor has been notified of concern and will be scheduled to come spray at earliest time. Update 6/27/17- Second round of spraying has occurred. Monitor for more weeds and spray as needed. Update 6/14/17: MNL spray scheduled for 6/19/17. MNL spray will be scheduled and updated	27-Jun-17				7/7/2017 UPDATE: Newly emerged thistle plants were observed on the laydown yard following fabric removal.
West Fairbault	WF032301	3/23/2017	Trash observed in various locations across the site.	Blattner Civil Crew on work is on going. Item will be addressed with site lead	Site clean up ES - 06/06				
West Waconia	WW070601	7/6/2017	A significant amount of road material eroded off road and onto topsoil during the last significant rain. The issue was documented in the inspection report for June 13, 2017. The resulting erosion gullies were not smoothed, and erosion blankets were placed over the gullies and washed road material.	Update 7/11/17- Area is of some concern as there is substantial gravel in some areas. Item will be addressed prior to final seed to have as much cleaned up. Update to follow					
West Waconia	WW051808	5/18/2017	Imported material has been bladed onto adjacent saturated topsoil along the access road and is expected to mix with topsoil due to working conditions.	Update 7/27/17- Material bladed into soils. Site has been final seeded and site will be monitored closely for emerging native plants. Remediation of site if required. Update 6/27/17-No remaining material or stock piles on site. Material is being stock piled and hauled off site starting 6-7-17	27-Jun-17				Inaccurate response: this material was not hauled offsite. Rather, it was bladed out on top of topsoil. The result is a layer of gravel on top of topsoil that may interfere with revegetation efforts.
West Waconia	WW051803	5/18/2017	Noxious weeds: Very heavy infestation of Canada thistle across the site is approaching the flowering stage in multiple locations.	Update 7/27/17- Thistle emerging in patches. MNL made aware and they have started spraying sites again. This site is scheduled and will update further once complete. Update 7/11/17-Patches of thistle will be sprayed at earliest opportunity. Update 6/27/17- Second round of spray was conducted. On site as well of majority of perimeter was taken care of. 10 hours on site spraying (6/26/17) Site will be monitored and sprayed as needed. Currently working with contractor to begin weed control weather permitting. Spraying took place on 6/1/17. Another round will be scheduled as time provides more spraying needed	27-Jun-17				7/12/2017 UPDATE: Several plants and patches dispersing seed; many newly emerged plants becoming visible. 7/6/2017 UPDATE: Several plants missed during previous herbicide applications were found to be dispersing seed. As of the 6/6/2017 inspection, spray results were mixed; some plants were showing signs of a good kill, others were showing leaf burn but no wilt, and some patches had been missed entirely. Further control efforts needed.
West Waconia	WW051805	5/18/2017	Perimeter SWPPP BMPs have been compromised in multiple locations.	Under review for corrections / corrective measures. IEA fixed some BMP's and Silt fence. Corrective actions ongoing.	7-Jun-17				
West Waconia	WW051806	5/18/2017	Rock left over from drain tile installation/repairs remains on top of topsoil in multiple locations.	Update 7/27/17- Rock still present and on punchlist. Site has been final seeded and areas will be monitored and remediated if required. Update- 7/11/17- Rock has been noted on punchlist. Final seed will be stock piled and hauled off site 6-10-17					7/6/2017 UPDATE: As of this inspection, rock has not been removed. Much of the rock has been worked into the soil surface in some locations making recovery difficult.

West Waconia	WW051801	5/18/2017	Significant erosion of topsoil occurred; subsoil has been exposed in multiple locations.	Update 7/27/17-Site has been final seeded. Areas not stabilized have been with blankets or hydro-mulch. Erosion areas will be monitored and corrected as needed. Update-6/27/17 Site has been graded and temporary seeded. Any other works found after this point will be fixed during final seed/restoration/ Final grading on these areas starts 6-9-17	27-Jun-17			
West Waconia	WW040501	4/5/2017	Substantial amounts of soils mixed with road material was layered onto topsoil. likely resulting from snow plowing activities.	Update 7/27/17-Site has been final seeded. Areas of concern will be monitored and remediated if required. Update 6/27/17- Final restoration will take place in the near future. Areas in question will be monitored for future growth and fixed accordingly. Materials were reviewed and approved for use by barr. Graded out on site	27-Jun-17			
West Waconia	WW071301	7/13/2017	Laydown silt fence was found to have not been removed prior to final seeding in some areas.	Update 7/19/17- Concern addressed with contractor as this item is on several sites. Pushing for remediation will continue until item is resolved				
West Waconia	WW071302	7/13/2017	Erosion has washed away topsoil, erosion gullies remain.	Update 7/19/17- Concern noted, will have to be addressed with contractor and solution presented.				