Ohio | Environmental Protection Agency
John R. Kasich, Governor
Mary Taylor, Lt. Governor
Scott J. Nally, Director

November 21, 2011

RE: WAYNE COUNTY
CITY OF ORRVILLE
CONSTRUCTION STORM WATER
JM SMUCKER COMPANY
PROJECT HERITAGE PH 1 & 2

Bob Metze
JM Smucker Co
1 Strawberry Lane
Orrville, OH 44667

Dave Olson
Dennis Engineering Group LLC
1537 Main St.
Springfield, MA 01103

Greg Alber
Dennis Alber Excavating Inc
1904 Remsen Rd.
Medina, OH 44256

Dear Mr. Metze, Mr. Olson and Mr. Alber:

On November 9, 2011, I performed a compliance inspection of storm water best management practices (BMPs) at the above referenced sites. I was accompanied on my inspection by Todd Surrena also of the Ohio EPA, Division of Surface Water. While on site, we met with Dave Olson and Derrick Helie of the Dennis Group and Darren Alber of Dennis Alber Excavating Inc. Our records indicate that runoff from Project Heritage is authorized under the Ohio EPA General Storm Water National Pollutant Discharge Elimination System (NPDES) Permit for Construction Activities #3GC05067*AG (Phase I) and #3GC05655*AG (Phase II).

Our inspection revealed the following deficiencies in the implementation of the Storm Water Pollution Prevention Plans (SWP3s) for these sites:

- Sediment Traps #1 (ST-1) and #2 (ST-2) as shown on the SWP3 for Phase II have not been completed, yet the drainage area tributary to these structures has been disturbed and grading is occurring. Part III.G.2.d.i of the NPDES permit requires the implementation of sediment ponds within seven (7) days from the start of grubbing and prior to grading. Please complete the construction of these sediment ponds per the detail drawings contained in the SWP3.

- Diversions to ST-1, ST-2 and Sediment Basin #2 (SB-2) have not been installed. These diversions are required to convey runoff to these sediment control practices. Please install diversions in the locations shown on the SWP3.

- A skimmer device has been installed in SB-2, however it has not been attached to the outlet structure as shown in the detail drawing contained in the SWPPP. As a result, it will not rise and fall with the elevation of water in the basin. Please re-install the skimmer as shown in the detail drawing contained in the SWP3. In addition, the sediment storage volume of SB-2 has not been established. The skimmer must float on a pool of water to prevent it from getting stuck to the bottom of the sediment basin. By excavating the sediment storage volume, you will create the pool necessary for the skimmer to float. Please establish the sediment storage volume of SB-2. Note that slight modification may be required from the detail drawing contained in the SWPPP to ensure that the skimmer floats on a pool of water.

- Sediment Trap #3 (ST-3) has not yet been established. This is because a stockpile from Phase I is located in the area where ST-3 is to be located. Please establish ST-3 as shown in the SWP3 as soon as the stockpile has been removed.

- Silt fence is required along Wetland E. Please install silt fence to protect the wetland from sediment-laden runoff.

- Silt fence along the east perimeter of the site (includes both Phase I and Phase II areas) requires maintenance. Please repair sections of silt fence which have been knocked over or have come off the stakes so that runoff can pond along the silt fence.

- Construction vehicles are still making use of the construction entrance off Mill Street. This entrance requires maintenance to minimize off-site tracking onto Mill Street. Please redress the entrance with stone as needed. In addition, the diversion (water bar) across the drive has been removed because it may damage delivery vehicles. Please re-establish the diversion as soon as practical.

- Inlet protection on Mill Street requires maintenance. Please replace Dandy Bags which have been developed holes or tears.

- Inlet protection along the entrance drive off Strawberry Lane also requires maintenance. Construction vehicles have crushed the inlet protection that had been installed. Mr. Alber indicated that this is an on-going struggle. It may be prudent to better mark storm drain inlet protection so as to make it more visible. You may also want to consider sanctions for subcontractors who damage BMPs.

- Disturbance has occurred to establish a staging area around the Red Barn. This area is not shown on the SWPPP for either Phase I or Phase II of this project. Please amend the SWPPP to include the disturbance of the Red Barn area and provide appropriate

sediment and erosion controls to prevent sediment-laden discharges to the adjacent wetland area.

- An emergency access road is being established along the north side of the project. The roadway includes an underdrain that will collect runoff and discharge it to what appears to be wetlands on the north side of the site. This drainage system is not indicated on the SWPPP. To comply with Part III.G.2.f of the NPDES permit, a level spreader must be provided to diffuse flows before they discharge to the wetlands. In addition, no post-construction BMP has been planned for this drainage area. A post-construction BMP must be provided to comply with Part III.G.2.e of the NPDES permit. We discussed the possibility of using permeable pavement or grassed pavement as an option for post-construction control. Please amend the SWP3 as needed to comply with the NPDES permit.

- The bioretention cell associated with Phase I of this project has been installed along the north side of the employee parking lot. However, we are concerned that construction vehicles are using the pavement tributary to the bioretention cell as an access road. Construction vehicles are tracking sediment onto the pavement. This sediment will then wash into the bioretention cell when it rains, which will likely lead to failure of the bioretention cell. We discussed several options for either (a) relocating the access road out of the drainage area tributary to the bioretention cell, (b) preventing construction vehicles from tracking sediment onto the pavement or (c) diverting sediment-laden flows away from the bioretention cell and toward SB-2. Mr. Alber and Mr. Helie agreed to review the various options to determine which was most practical to implement. Please identify the selected option and confirm that it has now been put into practice.

It was agreed that all corrective actions would be taken by November 18, 2011. As such, corrective action should now be in place. Please provide me with a letter of response indicating the actions you have taken to correct these deficiencies. Include any revisions to the SWPPP required to address deficiencies with your response. Your response should be received **no later than December 7, 2011**.

If you have any questions, please contact me at (330) 963-1145.

Sincerely,

Dan Bogoevski

Dan Bogoevski
District Engineer
Division of Surface Water

DB/cs

Cc: Lynn Snyder, Engineer, Village of Orville
David Handwerk, Mayor, City of Orrville
Steve Wheeler, Public Service and Safety Director, City of Orrville

Ec: Dan Osterfeld, Ohio EPA, DSW, CO
Megan Oberst, US Army Corps of Engineers, Huntington District

JM SMUCKER PROJECT HERITAGE PH 1 & 2
City of Orrville Wayne County

Photos Taken: November 9, 2011
By: Dan Bogoevski, DSW, NEDO

Fig 1 (LEFT). The skimmer has not been attached to the outlet structure of SB-2 as needed to ensure it rises and falls with changes in water elevation in the pond. In addition, there is no sediment storage volume to create the pool of water needed to ensure that the riser floats.

Fig 2 (RIGHT). Perimeter silt fence has been installed along the wetlands on the east side of the project but some sections require maintenance.

Fig 3. A view of the site from ST-2. The site is grubbed and is being graded, yet ST-2 has not been installed.

Fig 4 (LEFT). View of site from ST-1. ST-1 has not been established yet the tributary drainage area has been grubbed and graded.

Fig 5 (RIGHT). Silt fence on the east side of the site near SB-1 is down and needs repair. Soil stockpiles must be stabilized if they will be idle for 21 days or longer.

Fig 6 (LEFT). SB-1 is installed and is functioning as intended.

Fig 7 (RIGHT). Earth disturbance around the Red Barn. No sediment and erosion controls have been provided.

Fig 8 & 9. All fuel tanks should be stored in secondary containment or be double-walled. A spill kit should be available nearby. The red fuel tank is in containment, but closer inspection reveals the drain plug is missing.

Fig 10 & 11. More attention must be paid to maintenance of storm drain inlet protection and protecting it from construction vehicles. Crushed inlet protection was observed across the site. The photo on the left shows an inlet on the north side of the site, while the photo on the right shows an inlet along the access road off Strawberry Lane. The NPDES permit requires BMPs to be inspected by the permittee once every 7 days and within 24 hours of a 0.5-inch or greater rainfall. It further requires repair and replacement of inlet protection within 3 days of inspection whenever that inspection reveals that maintenance is required. Please ensure that your inspector is aware of these requirements.

Fig 12 (LEFT). Silt fence has not been installed along Wetland E. ST-3, which will be located in this area, has not yet been installed.

Fig 13 (RIGHT). Sediment is being tracked onto Mill St. The construction entrance off Mill St. needs to be redressed with stone and the diversion (water bar) needs to be re-installed.

Fig 14 (LEFT). Storm drain inlet protection on Mill St. requires maintenance. The Dandy Bag has developed holes and must be replaced. Accumulated sediments should be removed from time to time to allow the Dandy Bag to function when needed.

Fig 15 (RIGHT). The bioretention cell along the employee parking lot has been installed, but contractors are using the pavement immediately adjacent to it as an access road. Mud tracked onto pavement by the trucks will flush into the bioretention cell when it rains. This will lead to failure of the cell.