

## **MSU Stormwater Management Roles and Responsibilities 2017**

### **Environmental Health and Safety** – (Kevin Eisenbeis, Tom Grover and Mary Lindsey)

- Approve and sign off on all permit applications and related documents
- Coordinate low flow outfall screening once per permit cycle
- Maintain all outfall chemical testing files and ensure follow up with IPF at suspect outfalls
- Maintain IDEP database
- Direct drain marker program – maintain database and ensure annual reconnaissance
- Regularly inspect all facilities with a Stormwater Pollution Prevention Plans (currently Transportation Services, Recycling Center and Surplus Store and Golf Course Maintenance Facility)
- Respond to discharges and complaints about the river and track in database
- Meet illicit discharge reporting requirements for off campus properties in urbanized areas
- Work with Land Management Office on CAFO NPDES permit issues (e.g., recordkeeping, inspections, application renewal)
- Work with IPF to ensure compliance with stormwater runoff from construction sites
- Serve on stormwater committee (Kevin Eisenbeis, Mary Lindsey)

### **MSU-IWR with BAE, Horticulture and other academic departments** (Ruth Kline-Robach)

- Manage/coordinate campus stormwater activities with EHS
- Ensure active role of MSU in Greater Lansing Regional Committee activities
- With input from all service units, write permit applications and annual reports
- Update Stormwater Management Program as needed
- Serve as liaison with MDEQ representatives
- Conduct research and report on BMP/LID technique efficacy
- Plan and host outreach events, coordinate stormwater public education efforts
- Link with local 319 watershed planning efforts
- Work with faculty to incorporate service learning and additional course work featuring the river and stormwater controls
- Serve on stormwater committee

### **Infrastructure Planning and Facilities (IPF) – Planning, Design and Construction** (Dave Wilber and John Lefevre)

- Ensure compliance with post construction controls and stormwater design standards for all new development projects
- Maintain offset database for post construction controls
- Annually, complete offset database summary
- Maintain accounts and track budgets for long term maintenance of stormwater BMPs
- Maintain central file sharing service (accessible by all service units) for all stormwater-related documents
- Survey General Fund buildings for illicit connections and prioritize corrective actions
- Track BMP maintenance schedules
- Maintain storm drain maps, sewershed maps and outfall database
- Provide design guidance to outside consultants working on capital projects to maintain adherence to the stormwater design standards
- Provide design guidance on alternative approaches when deemed appropriate by the stormwater committee
- Maintain the stormwater design standards accessible on the EAS website
- Serve on stormwater committee (Wilber and Lefevre)

### **IPF Campus Planning (Steve Troost)**

- Link stormwater and wellhead protection planning with campus Master Plan
- Coordinate with EAS and LMO to ensure land base for future stormwater controls
- Serve on stormwater committee

### **IPF Landscape Services**

- Inspect and maintain structural and nonstructural stormwater BMPs
  - Rain gardens and vegetated roofs, Landscape Bed Chemical Application (Therese Nugent, Scott Feick, Josh Ridner)
  - Riparian zones, wetlands, detention ponds, low-mow zones (Therese Nugent, Scott Feick, Josh Ridner)
  - Pervious pavement, catch basins, storm separators (Matt Bailey)
- Document and follow Good Housekeeping procedures, including street sweeping, fertilizer and pesticide applications, snow and ice removal and other items in the SWMP (Adam Lawver, Jeremiah Saier)
- Mandate stormwater training for selected staff members at least once per permit cycle (Adam Lawver)
- Serve on stormwater committee (Jeremiah Saier)
- Tree Chemical Application (Paul Swartz)

### **IPF (Misc) –**

- Chair stormwater committee to review stormwater controls (Bob Nestle)
- Inspect/track Soil Erosion and Sedimentation Control permits to ensure compliance with stormwater regulations (Ray Weiber)
- Track grease trap cleaning at all campus cafeterias (Shawn Kelly)
- Ensure regular sanitary sewer maintenance and cleaning (Sam Fortino)
- Maintain Lift Stations (Sam Fortino)
- Include stormwater in training activities (e.g., Contractors and Consultants Forum) (Leisa Williams-Swedberg)
- Include stormwater on IPF website (Michelle Lavra)

### **IPF Power and Water**

- Coordinate campus Wellhead Protection Program and complete updates every five years (Bob Ellerhorst with Ruth Kline-Robach)
- Consider linkages with stormwater permit requirements

### **Land Management Office (Ben Darling)**

- Ensure compliance with stormwater standards for areas of new development
- Ensure good housekeeping practices on south campus to comply with stormwater regulations and maintain MAEAP certification for south campus farms
- Mandate stormwater training for farm managers at least once per permit cycle
- Mandate regular septic system maintenance and develop/maintain database
- Maintain structural and nonstructural BMPs and track in database
- Track Soil Erosion and Sedimentation Control permits to ensure compliance with stormwater regulations
- Serve on stormwater committee

### **Forest Akers Golf Course (Ron Lewis)**

- Ensure good housekeeping practices for stormwater control
- Mandate stormwater training for selected staff members at least once per permit cycle
- Track BMP maintenance
- Track fertilizer applications

**Athletics** (Amy Fouty)

- Ensure good housekeeping practices for stormwater control
- Track fertilizer applications
- Mandate stormwater training for selected staff members at least once per permit cycle

**IPF Campus Sustainability** (Ann Erhardt)

- Include stormwater information on Be Spartan Green website, and include links to other sources of stormwater information
- Periodically track University-owned rolloff bins for proper use (Kris Jolley)

**Residential and Hospitality Services** (Joe Petroff and Carla Iansiti)

- Mandate stormwater training for selected staff members at least once per permit cycle
- Regularly clean grease traps and work with IPF to track in database
- Encourage additional training for RHS Environmental Stewards

**MSU Police** (Stephanie O'Donnell)

- Incorporate stormwater controls into MSU parking system
- Serve on stormwater committee

**MSU Stormwater Committee Responsibilities**

- Meet monthly to review and approve stormwater control designs for new development projects
- Forward approvals to Campus Planning and Infrastructure Work Group
- Periodically review offset database to ensure compliance with Post Construction Controls Alternative Approach agreement with MDEQ
- Review and approve offset database summary annually
- Discuss and address campus stormwater permit issues pertaining to the federal stormwater regulation's six minimum measures:
  - 1) Public Education
  - 2) Public Involvement
  - 3) Illicit Discharge Detection and Elimination
  - 4) Construction Stormwater Runoff
  - 5) Post Construction Stormwater Runoff
  - 6) Pollution Prevention and Good Housekeeping