**OP 9: LANDSCAPE MANAGEMENT**

**Required Questions**

OP9-1; The total campus acreage is 356. However, there are only 204 acres of green space.

*OP9-2; Area maintain as part of an IMP* – Zero (0)

*OP9-3; Area maintained in accordance with an organic land care standard* – 95 Acres. This is the area that is maintained to a level 4 or 5 as defined by APPA (*APPA: Leadership in Educational Facilities)*. It is area that receives less frequent or no mowing, is wooded or part of NMU’s “No-Mow” program. These areas have no irrigation, receive no fertilizer or herbicide.

APPA – Maintenance Standards

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| --- |
| **Level 4** - (Low frequency mowing, no fertilization, no irrigation, litter pick-up every 5 days, planting areas - none.) |
| **Level 5** - (Low frequency mowing, no fertilization, no irrigation, litter pick-on demand, planting areas - none.) |

*OP4-4; Area Managed using conventional methods* – 105.72 Acres

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| ***Service Level*** | ***Acres***  |  |  |  |  |
| Planters | 1.5 |  |  |  |  |
| Level 1 | 1 |  |  |  |  |
| Level 2 | 48.66 |  |  |  |  |
| Level 3 | 54.56 | 105.72 Acres |  |  |  |
| Level 4 | 15.45 |  |  |  |  |
| Level 5 | 82.65 | 98.1 Acres |  |  |  |
| **Grand Total** | 203.82 |  |  |  |  |
|  |  |  |  |  |  |  |
| **Scoring** |  |  |  |  |  |  |
| **Management Level** | **Factor** | **Area Managd at Each Level** | **Divide** | **Total Areas of Managed Grounds** | **Equates** | **Points Earned** |
| Conventional | 0 | 105.72 | / | 203.82 | = | 0 |
| IPM Program | 1 | 0 | 0 |
| Organic Program | 2 | 98.1 | ***0.96*** |

**Conditional Questions**

*OP9-5; A brief description of any land excluded*

Total campus acreage is 356 which includes all impervious surfaces (buildings, parking, roads, sidewalks, etc.). Impervious surface equates to 152 acres.

*OP9-6; Provide a copy of the IMP plan.*

We do not have a formal plan.

*OP9-7; A Brief description of the Organic Landscape Plan*

In 2006 NMU adopted a “Landscape Master Plan” with the goal providing a framework for re-defining the campus landscape consistent with the area/region and identify a plant material matrix to be used on all projects. Plant matrix includes plant species that are either native or adaptable to the area which helps to create a healthy, vibrant and visually appealing campus.

**OP 23: LANDSCAPE MANAGEMENT**

**Required Question**

*OP23-1; Which of the following best describes the Institutions approach to rainwater management?*

Institution uses green infrastructure to manage rainwater and employees LID practices on a case-by-case basis or for demonstration projects.

**Conditional Question**

*OP23-2; A brief description of the institutions green infrastructure and LID practices:*

The use of sloped roofs that shed water for natural infiltration, the use of rainwater recharge areas or formal retentions/detention ponds to capture storm water is evaluated for ever campus project. Project review includes evaluation of both cost and practicality of construction. Since 1991 there have been a number of large storm water recharge or detention ponds constructed on campus that capture roof, parking lot and roadway run-off. Since 2005 all renovated or new campus housing projects have been constructed with pitched roofs to direct storm water for natural infiltration.

*OP23-3 A copy or brief description of the institutions rainwater management policy, plan and/or guidelines to support the response above:*

There is no formal guidelines, policy or plan for storm water management. The ability to control and direct storm water to some form of natural infiltration, either storm water recharge or detention/retention area, is considered a best practice by NMU and the evaluation of inclusion has been part of every project since the early 1990s.