

NMS Complexity Assessment Tool

Legend
 > Greater than
 < Less than

Score:

***Always identify highest complexity present**
****If you have more notes than comment box can fit, write in section at the end**

Consultant:

Owner/Operator Name:

| Complexity Assessment Tool | | | | | |
|---|--|---|---|---|----------|
| NMS Attribute | LOW (2) | MEDIUM (4) | HIGH (7) | VERY HIGH (10) | COMMENTS |
| Nutrient Units | <100 | 100-200 | 200-300 | >300 | |
| Farm Unit / Transfer Property | 1 generating property AND NO transfer sites | 1 generating property AND < =5 farms in Farm Unit AND No transfer sites | 1 generating property, AND <=5 total properties in the farm unit, AND < =2 transfer sites | > 1 generating property, OR >5 total properties in the farm unit, OR >2 transfer site | |
| Source Water Protection | NO Significant drinking water threats (vulnerability score <=7, no Issue Contributing Area present) | | | YES Significant drinking water threats (vulnerability score >=8 or Issue Contributing Area is present) | |
| Previous Approvals | No known previous approvals | YES Completed by the current consultant, AND Explanation in the Overview of Operation about the previous approval | YES Not submitted by the current Consultant AND Explanation in the Overview of the Operation about the previous approval | YES No explanation about the previous approval | |
| Overview of the Operation | Current version of the template used | Old version of the template used | | Template not used | |
| Sketch Quality | Ag Maps used OR Aerial Photo | | Computer generated AND No aerial photo used | Hand drawn AND No aerial photo used | |
| Sensitive Features - Wells | NO drilled well(s) within 15m of any new or existing livestock housing or manure storages AND NO other well(s) within 30m of any new or existing livestock housing or manure storages | Drilled well(s) within 15m of any new or existing livestock housing with no storage OR Other well(s) within 30m of any new or existing livestock housing with no storage | Drilled well(s) within 15m of any existing manure storages OR Other well(s) within 30m of any existing manure storages | Drilled well(s) within 15m of any new or expanding manure storages OR Other well(s) within 30m of any new or expanding manure storages | |
| Sensitive Features - Surface Water/Tile inlets | NO surface water or tile inlets within 50m straight line distance of any livestock housing or manure storage | Surface water or tile inlets within 50m straight line distance of livestock housing with no storage | Surface water or tile inlets within 50m straight line distance of existing manure storage | Surface water or tile inlets within 50m straight line distance of new or expanding manure storage | |

| | | Complexity Assessment Tool | | | | |
|---------------------------------------|--|--|--|--|---|--|
| NMS Attribute | LOW - 2 | MEDIUM - 4 | HIGH - 7 | VERY HIGH - 10 | COMMENTS | |
| Livestock Housing Capacity | Actual livestock housing area is within 10% of area estimated by Agrisuite | Actual livestock housing area is within 20% of area estimated by Agrisuite | Actual livestock housing area is greater than 20% of area estimated by Agrisuite | Actual livestock housing area is greater than 30% of area estimated by Agrisuite | If "High" or "Very High", please ensure the livestock housing capacity used is fully explained in the Overview of the Operation | |
| Days of manure storage capacity | >300 | >240 - 300 | 240 | <240 | | |
| Storage System Complexity | 1 storage system AND < 5 storages total | 2 storage systems AND < 5 storages total in all storage systems combined | 3 storage systems OR >= 5 storages total in all storage systems combined | >3 storage systems | | |
| Solid Storage and runoff management | None present OR existing storages all covered or runoff collected | New solid manure storages covered or runoff collected AND P.Eng forms included if required | Existing/New solid manure PVA/VFSS used as runoff management AND P.Eng forms included if required | Solid manure stored in a TFS AND/OR Liquid material stored in a solid storage (including rainfall) | Choose the highest applicable option | |
| Liquid Storage | None present OR All existing | Proposed/Expanded <u>concrete</u> storage AND P.Eng Forms included | Proposed/Expanded <u>earthen</u> storage AND P.Eng forms included | Liquid and solid manure stored in same storage | | |
| Liquid Nutrient Transfer System | None present OR existing system used | Proposed/Expanded system with P.Eng Forms included | Above ground system proposed no P.Eng required | Floor system | | |
| Nutrient Loading | <=0.8 NU/ac | >0.8 & <=1 NU/ac for all livestock types EXCEPT poultry | >1 & <= 1.5NU/ac OR >0.8 NU/ac for poultry | >1.5NU/ac OR Brokering Off Manure | | |
| Flags in NMAN | NO flags in NMAN | | Flags in NMAN are clearly explained AND explanation is reasonable | Flags in NMAN not explained | | |
| COMMODITY SPECIFIC | | | | | | |
| Milking Center Wash water | None generated | Stored in a liquid storage AND >240 days of storage | Not managed within a storage system | Stored in a solid storage OR Stored in a liquid storage with <240 days of storage | | |
| Transfer Pad | None used | Used AND Covered or runoff collected | | Used AND Runoff to PVA or VFSS | | |
| Yard and/or Outdoor Confinement Areas | None used | Used, AND all covered and/or runoff collected | | Used AND Runoff to PVA or VFSS | | |
| Treatment System used | None used | | Used, one of the following treatment systems used: Bedding Master, Compost Pack, Solid/Liquid Separator | Used including Regulated Mixed AD and Non Regulated Mixed AD | | |
| ADDITIONAL NOTES | | | | | | |