

Appendix G - Delaware DRAFT Phase II WIP, December 15, 2011

Planned Activity	Units	Tracking	Current (2010)	Annual Recommendation	2013 (additional)	2013 Total	2013 % Completion	2017 (additional)	2017 Total	2017 % Completion	2025 Total
Best Management Practices for Private Lands											
Cover Crop - Traditional	acres	annual	16,600	3,320	9,960	26,560	40%	19,920	46,480	70%	66,400
Cover Crops - Commodity	acres	annual	6,595	1,218	3,654	10,249	39%	7,908	18,157	69%	26,365
Nutrient Management Compliance	acres	annual	216,290	0	0	216,290	100%	0	216,290	100%	216,290
Soil Conservation & Water Quality Plans	acres	annual	194,666	0	0	194,666	99%	0	194,666	99%	195,666
Conservation Tillage	acres	cumulative	197,799	6,000	18,000	215,799	95%	3,720	219,519	97%	227,008
Continuous No-Till Conservation	acres	cumulative	23,159	1,000	3,000	26,159	72%	6,000	32,159	89%	36,159
Decision Agriculture	acres	annual	103,186	20,637	61,911	165,097	73%	20,000	185,097	82%	227,008
Heavy Use Poultry Area Pads	structures	cumulative	227	45	135	362	42%	270	632	74%	857
Livestock Waste Structures	structures	cumulative	3 Swine; 7 Equine; 4 Dairy; 10 Dairy Waste; 3 Bovine	1 Swine; 3 Equine; 1 Dairy; 2 Dairy Waste; 1 Bovine	3 Swine; 9 Equine; 3 Dairy; 6 Dairy Waste; 3 Bovine	6 Swine; 16 Equine; 10 Dairy; 16 Dairy Waste; 6 Bovine	60%	4 Swine; 12 Equine; 1 Dairy; 0 Dairy Waste; 4 Bovine	10 Swine; 28 Equine; 11 Dairy; 16 Dairy Waste; 10 Bovine	100%	10 Swine; 28 Equine; 11 Dairy; 16 Dairy Waste; 10 Bovine
Water Control Structures	acres	cumulative	50 units @ 8343 acres	1 unit @166 acres	3 units @ 498 acres	53 units @ 8841 acres	81%	4 units @ 664 acres	57 units @ 9505 acres	87%	65 units @ 10,846 acres
Stream Protection with Fencing	acres	cumulative	108	10	30	138	53%	60	198	77%	258
Stream Protection without Fencing	acres	cumulative	0	25	75	75	23%	150	225	69%	325
Upland Prescribed Grazing	acres	cumulative	214	20	60	274	24%	450	724	64%	1,134
Manure Relocation	tons	annual	48,757	4,000	12,000	60,757	55%	24,000	72,757	66%	110,257
Poultry Waste Structures	structures	cumulative	444	88	264	708	98%	4	712	98%	723
Run-Off Control Systems	systems	cumulative	0	8	24	24	20%	48	72	60%	120

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Phytase Utilization	% reduction	annual	30	Maintain	Maintain	30	100%	Maintain	30	100%	30
Mortality Composters or Incinerators	structures	cumulative	449	30	479	600	83%	123	723	100%	723
Large Animal Mortality Program	animals	annual	110	0	0	110	100%	0	110	100%	110
Streamside Grass Buffers	acres	cumulative	699	69	207	906	52%	414	1,321	76%	1,734
Streamside Forest Buffers	acres	cumulative	2,226	223	669	2,895	52%	1,338	4,234	76%	5,571
Wetland Restoration	acres	cumulative	286	29	87	373	52%	174	548	76%	721
Shoreline Erosion Control	feet	cumulative	6,343	600	1,800	8,143	53%	3,600	11,744	77%	15,343
Retire Highly Erodible Land	acres	cumulative	0	277	210	487	70%	105	592	85%	697
Land Retirement	acres	cumulative	416	0	0	416	100%	0	416	100%	416
Forest Harvesting Practices	acres	annual	2,070	210	630	416	8%	1,260	1,676	32%	5,220
BMP Recommendations for Public Lands											
Tree Planting	acres	cumulative	63	3	9	72	67%	18	90	83%	108
Wetland Restoration	acres	cumulative	0	1	2	2	13%	6	8	53%	15
Streamside Forest Buffers	acres	cumulative	0	2	6	6	20%	12	18	60%	30
Streamside Grass Buffers on Public Lands	acres	cumulative	110	5	15	125	68%	30	155	84%	185
Agriculture strategies on DNREC/DDA Lands	acres	cumulative	0	422	1,266	1,266	30%	2,532	3,798	90%	4,226
Natural Filters on Other Public Lands	acres	cumulative	0	50	150	150	20%	300	450	60%	750
New Farming BMPs											
CAFO Setbacks	acres	annual	0	250	750	750	43%	750	1,500	86%	1,750
Cropland Irrigation Management	acres	annual	60,000	5,000	15,000	75,000	56%	30,000	105,000	78%	135,000
Vegetative Environmental Buffers	operations	cumulative	72	10	30	102	46%	60	162	73%	222

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Streamside/Tax Ditch Restoration	linear feet	cumulative	17,700	6,000	18,000	35,700	87%	5,500	41,200	100%	41,200
Evolving BMPs											
5, 10, or 35-Ft Riparian Buffer Setback	acres	annual	0	250	750	750	13%	1,500	2,250	39%	5,750
P-sorbing Materials	acres	annual	0	0	0	0	NA	0	0	NA	TBD
Poultry Litter Treatment	tons	annual	0	0	0	0	NA	0	0	NA	TBD
In-house Poultry Ammonia Emission Control	operations	cumulative	0	0	0	0	NA	0	0	NA	TBD
Agronomic Improvements	acres	annual	0	0	0	0	NA	max	0	NA	TBD
Voluntary BMPs	acres	annual	0	0	0	0	NA	0	0	NA	TBD
Alternative Use of Manure	tons	annual	0	0	0	0	NA	0	0	NA	TBD
Revised P-Index for Nutrient Management Planning	acres	annual	0	0	0	0	NA	100,000	100,000	100%	100,000
Dairy manure Incorporation Technology	acres	annual	0	0	0	0	NA	0	0	NA	TBD
Poultry Manure Incorporation Technology	acres	annual	0	0	0	0	NA	0	0	NA	TBD
Carbon Sequestration/Alternative Crops	acres	annual	0	0	0	0	NA	0	0	NA	TBD
Poultry Litter Windrowing	tons	annual	0	0	0	0	NA	0	0	NA	TBD
Poultry House Remediation	operations	cumulative	6	3	9	15	42%	3	18	50%	36