

**Certified Pollutant Reduction Activities**

5/23/2012

#	Applicant and certification request description	Watershed	N Credits Certified	P Credits Certified	S Reductions	Date Certified	Certification Valid Until
1	Red Barn Trading Company - Client 113: credits generated by exporting poultry manure from Juniata to a location outside of the watershed.	Susquehanna	8,246	1,031		06/22/06	X
2	Red Barn Trading Company - Client 28: credits generated by exporting poultry manure from Schuylkill to a location outside of the watershed.	Susquehanna	21,141	2,643		09/07/06	X
3	Red Barn Trading Company - Client 204: credits generated by exporting poultry manure from Huntington to a location outside of the watershed.	Susquehanna	9,036	1,130		09/07/06	X
4	Red Barn Trading Company - Client 205: credits generated by exporting poultry manure from Snyder to a location outside of the watershed.	Susquehanna	24,405	3,051		09/07/06	X
5	Red Barn Trading Company - Client 198: credits generated by exporting poultry manure from Union to a location outside of the watershed.	Susquehanna	10,525	1,317		09/18/06	X
6	Red Barn Trading Company - Client 139: credits generated by exporting poultry manure from Juniata to a location outside of the watershed.	Susquehanna	11,154	1,394		09/18/06	X
7	HRG/Milton Regional Authority: Facility generated credits through the process/treatment of the wastewater. These credits may be revised once the facility receives their final NPDES permit.	Susquehanna	46,000	6,000		10/22/06	X
8	Red Barn Trading Company - Client 374: credits generated by exporting poultry manure from Juniata to a location outside of the watershed.	Susquehanna	9,243	1,155		12/04/06	X
9	Red Barn Trading Company - Client 292: credits generated by exporting poultry manure from Snyder to a location outside of the watershed.	Susquehanna	11,050	1,381		12/07/06	X
10	Red Barn Trading Company - Client 388: credits generated by exporting poultry manure from Perry to a location outside of the watershed.	Susquehanna	17,319	2,165		12/08/06	X
11	Red Barn Trading Company - Client 282: credits generated by exporting poultry manure from Lancaster to a location outside of the watershed.	Susquehanna	12,344	1,543		01/17/07	X
12	Red Barn Trading Company - Client 401: credits generated by exporting poultry manure from Lebanon to a location outside of the watershed.	Susquehanna	55,387	6,923		01/17/07	X
13	Red Barn Trading Company - Client 11: credits generated by exporting poultry manure from Franklin to a location outside of the watershed.	Potomac	68,122	8,515		01/22/07	X
14	Red Barn Trading Company - Client 239: credits generated by exporting poultry manure from Lancaster to a location outside of the watershed.	Susquehanna	14,269	1,784		01/22/07	X
15	Red Barn Trading Company - Client 289: credits generated by exporting poultry manure from Lancaster to a location outside of the watershed.	Susquehanna	36,679	4,585		01/22/07	X
16	Red Barn Trading Company - Client 429: credits generated by exporting poultry manure from York to a location outside of the watershed.	Susquehanna	22,860	2,857		01/22/07	X

17	Red Barn Trading Company - Client 303: credits generated by exporting poultry manure from Adams to a location outside of the watershed.	Susquehanna	24,724	3,090		01/24/07	X
18	Red Barn Trading Company - Client 54: credits generated by exporting poultry manure from Juniata to a location outside of the watershed.	Susquehanna	6,671	834		04/05/07	X
19	Red Barn Trading Company - Client 136: credits generated by exporting poultry manure from Lancaster to a location outside of the watershed.	Susquehanna	7,699	962		04/05/07	X
20	Red Barn Trading Company - Client 173: credits generated by exporting poultry manure from Snyder to a location outside of the watershed.	Susquehanna	15,621	1,953		04/05/07	X
21	Red Barn Trading Company - Client 221: credits generated by exporting poultry manure from Lancaster to a location outside of the watershed.	Susquehanna	15,624	1,953		04/05/07	X
22	Red Barn Trading Company - Client 428: credits generated by exporting poultry manure from Lancaster to a location outside of the watershed.	Susquehanna	7,054	882		04/05/07	X
23	Mount Joy Borough Authority: Continuous No-till with a three year contract in place for the generation of these credits. Implementation began in 2006.	Susquehanna	11,718			04/05/07	3 years
24	Berks County Conservation District: Cover crops planted on ten tracts of land. The project was completed in 2006.	Susquehanna	1,491			06/14/07	Credits were only certified for the compliance year in which they were generated.
		Susquehanna	360				
25	Chesapeake Nutrient Management- Dilick Farm: Poultry manure export from Adams County to a location outside of the watershed. The project was completed in 2006.	Susquehanna	6,236	780		07/07/07(n) and 09/27/07(p)	Credits were only certified for the compliance year in which they were generated.
26	Lititz Run Watershed Association: Stream restoration project; credits are non-transferable. The project was completed in 2005.	Susquehanna	1,381	68	129	08/14/07	
27	Berks County Conservation District: Cover crops planted on forty-four tracts of land. The project was completed in 2007.	Susquehanna	7,212			03/19/08	Credits were only certified for the compliance year in which they were generated.
		Susquehanna	622				
28	Bion Environmental Technologies: use of a proprietary livestock waste treatment technology for a scrape dairy operation located in Lancaster County. This project can generate credits for multiple years.	Susquehanna	This certification was revised and re-issued.				
29	Union County Conservation District: installation of field lane stabilization project on 7 farms. This project can generate credits for multiple years.	Susquehanna	78	2	23,323	07/03/08	X
		Susquehanna	68	0	12,141		
30	Lebanon County Conservation District: installed 2 mortality composters. This project can generate credits for multiple years.	Susquehanna	2	1		08/15/08	10 years
		Susquehanna	2	1			
31	Dauphin County Conservation District: worked with 2 landowners to installed stream bank fencing, planted a riparian buffer and installed a mortality composter. These projects can generate credits for multiple years.	Susquehanna	3,463	183		08/15/08	10 years

32	Chester County Conservation District: worked with 8 land owners to install cover crops. The project was completed in 2007.	Susquehanna	7,042				Credits were only certified for the compliance year in which they were generated.
		Susquehanna	32,935			08/15/08	
33	Cumberland County Conservation District: generated by the installation of animal waste systems. This proposal will generate credits for multiple years.	Susquehanna	2,628	146			
		Susquehanna	3,886	217		10/08/08	09/30/11
34	Mifflin County Conservation District: credits generated by the implementation of no-till. The project was completed in 2007.	Susquehanna	1,419				Credits were only certified for the compliance year in which they were generated.
						11/13/08	
35	Red Barn Trading Company - Client 153: credits generated by exporting poultry manure from Juniata to location outside of the watershed.	Susquehanna	24,160	3,020			X
						11/26/08	
36	Red Barn Trading Company - Client 164: credits generated by exporting poultry manure from Dauphin to location outside of the watershed.	Susquehanna	24,378	3,047			X
						11/26/08	
37	Red Barn Trading Company - Client 369: credits generated by exporting poultry manure from Lancaster to location outside of the watershed.	Susquehanna	16,035	2,004			X
						11/26/08	
38	Red Barn Trading Company - Client 391: credits generated by exporting poultry manure from Montour to location outside of the watershed.	Susquehanna	25,217	3,152			X
						11/26/08	
39	Red Barn Trading Company - Client 444: credits generated by exporting poultry manure from Juniata to location outside of the watershed.	Susquehanna	7,162	895			X
						11/26/08	
40	Red Barn Trading Company- Client 535: credits generated by exporting poultry manure from Lancaster to location outside of the watershed.	Susquehanna	138,781	17,348			X
						11/26/08	
41	Berks County Conservation District: Nitrogen credits generated by the implementation of grazing BMPs. This proposal will generate credits for multiple years. Implementation began in 2007-2008.	Susquehanna	11				09/30/13
						12/19/08	
42	Lancaster County Conservation District: Nitrogen credits to be generated by the implementation of cover crops and no-till. The project was completed in 2009.	Susquehanna	3,590				Credits were only certified for the compliance year in which they were generated.
						01/20/09	
43	Lancaster County Conservation District: Nitrogen and Phosphorus credits generated by poultry manure export. The project was completed in 2009.	Susquehanna	10,680	1,335			Credits were only certified for the compliance year in which they were generated.
						01/20/09	
44	PA Environmental Council and Capital RC&D: Nitrogen credits generated by the implementation of no-till in Bradford County. This proposal will generate credits for multiple years. Note: these nitrogen credits were revised and re-certified.	Susquehanna					This certification was revised and re-issued .

45	Chesapeake Nutrient Management LLC: credits to be generated by exporting poultry manure from Lancaster to a location outside of the watershed.	Susquehanna	502,350	62,850		03/13/09	X
46	Chesapeake Nutrient Management LLC: credits to be generated by exporting poultry manure from Lancaster to a location outside of the watershed.	Susquehanna	184,714	23,089		05/06/09	X
47	Lancaster County Conservation District: credits generated by exporting poultry manure from Lancaster to location outside of the watershed.	Susquehanna	43,055	5,382		08/21/09	Credits were only certified for the compliance year in which they were generated.
48	AET Agriculture Consulting: Nitrogen credits are to be generated from off-stream watering with stream fencing (pasture), precision grazing and stream restoration on conventional till and pasture. This proposal will generate credits for multiple years.	Susquehanna	1,151			08/21/09	3 years
49	Lancaster County Conservation District: Nitrogen credits generated by the implementation of no-till and cover crops.	Susquehanna	615			09/29/09	Credits were only certified for the compliance year in which they were generated.
50	Capital RC&D: Nitrogen credits generated by implementation of no-till in Bedford County.	Susquehanna	This certification was revised and re-issued .				
51	PA Environmental Council and Capital RC&D: Nitrogen, phosphorous credits and sediment reductions are generated by implementation of no-till in Bradford County. This proposal will generate credits for multiple years.	Susquehanna	3,271	42	3	10/26/09	3rd growing season
52	Lycoming County Conservation District: Nitrogen credits generated from the implementation of precision grazing, off-stream watering, stream bank fencing, off-stream watering without fencing, horse pasture management and a riparian forest buffer by Client MucMoT0001. This proposal will generate credits for multiple years.	Susquehanna	845			10/26/09	09/30/14
53	American Farmland Trust: Nitrogen credits generated through the BMP Challenge for Planned Nutrient Reduction Project by Client PA09-004. The project was completed in 2009.	Susquehanna	437			11/03/09	09/30/09
54	American Farmland Trust: Nitrogen credits generated through the BMP Challenge for Planned Nutrient Reduction Project by Client PA09-002. The project was completed in 2009.	Susquehanna	435			11/03/09	Credits were only certified for the compliance year in which they were generated.
55	American Farmland Trust: Nitrogen credits generated through the BMP Challenge for Planned Nutrient Reduction Project by Client PA09-003. The project was completed in 2009.	Susquehanna	85			11/03/09	Credits were only certified for the compliance year in which they were generated.

56	EnergyWorks BioPower, LLC: This certification describes a process for the calculation of annual credits to be generated through the operation of the Gettysburg Energy and Nutrient Recovery Facility that, as described in the submission, will process poultry manure from a farm in Adams County in an enclosed facility to generate renewable energy, nutrient reductions and an ash by-product that can be used for fertilizer or for a feed supplement. This certification includes a verification plan, and authorizes the generation of annual credits. Note: The values listed may change when the facility is operational and credits are verified.	Susquehanna / Potomac	1,051,570	53,853		02/12/10	09/30/15
57	Lycoming County Conservation District: This certification describes a process for the calculation of annual credits to be generated by the export of poultry litter from the Chesapeake Bay Watershed for Client WhCWaT000. This certification includes a verification plan, and authorizes the generation of annual credits.	Susquehanna	This certification was revised and re-issued .				
58	Bion Environmental Technologies and Bion PA1, LLC: This certification describes a process for the calculation of annual credits that provides Bion with the flexibility to operate under various scenarios which include: the operation of the microaerobic biological reactor and combustion of the coarse solids; and the operation of the microaerobic biological reactor and the export all or a portion of the coarse solids out of the Chesapeake Bay Watershed. With the certification, Bion is authorized to develop and implement two studies to: 1- demonstrate that there is a difference in the level of nitrogen bioavailability occurring in the field as a result of the use of the effluent (both liquid and fine solids) discharged from the reactor compared to the manure currently used at the Kreider Farm; and 2- demonstrate that there is a difference in the level of denitrification occurring in the field as a result of the use of the effluent (both liquid and fine solids) discharged from the reactor compared to the manure currently used at the Kreider Farm. Note: The values listed may change when the facility is operational and credits are verified.	Susquehanna	106,289			04/02/10	09/30/22
59	Cove Area Regional Digester ("CARD"): This certification describes a process for the calculation of annual credits for CARD for the part of the operation of the Facility that, as described, will process dairy manure from contracted participants. The manure, and all other waste streams, will be trucked to the regional digester and will be processed through a two stage anaerobic digestion process to generate renewable energy, nutrient reductions and a by-product that can be used as a fuel source for co-generation. Note: The values listed may change when the facility is operational and credits are verified.	Susquehanna	627,443	35,781		05/14/10	09/30/15
60	Bellefonte Wastewater Treatment Plant: This certification describes a process for the calculation of annual credits for the treatment plant. This certification includes a verification plan, and authorizes the generation of annual credits. Note: The values listed may change when the credits are verified.	Susquehanna	11,142	1,305		06/18/10	09/30/15

61	Northwestern Lancaster County Authority: This certification describes a process for the calculation of annual credits for the treatment plant. This certification includes a verification plan, and authorizes the generation of annual credits. Note: The values listed may change when the credits are verified.	Susquehanna	10,330	434		06/18/10	09/30/15
62	City of Lancaster Advanced Wastewater Treatment Plant: This certification describes a process for the calculation of annual credits for the treatment plant. This certification includes a verification plan, and authorizes the generation of annual credits. Note: The values listed may change when the credits are verified.	Susquehanna	This certification was revised and re-issued .				
63	ElectroCell: This certification is applicable to the operation of the Patz® OZy™ unit on a farm located in Lancaster County. This certification includes a verification plan, and authorizes the generation of nitrogen and phosphorous credits. Note: The values listed may change when the credits are verified.	Susquehanna	3,138	462		08/13/10	09/30/15
64	Brubaker Farms: This certification describes a process for the calculation of annual nitrogen credits to be generated by the implementation of no-till and cover crops. This certification includes a verification plan, and authorizes the generation of nitrogen credits.	Susquehanna	8,432			09/03/10	09/30/15
65	Capital RC&D: This certification describes a process for the calculation of annual nitrogen credits to be generated by the implementation of no-till in Bedford County. This certification includes a verification plan, and authorizes the generation of nitrogen credits.	Susquehanna	16,944			09/08/10	09/30/15
66	AET Agriculture Consulting- Allan Scott: Nitrogen credits are to be generated from the manure management change and the installed buffer. This certification includes a verification plan, and authorizes the generation of nitrogen credits.	Susquehanna	1,239			09/22/10	09/30/15
67	Lycoming County Conservation District: Nitrogen credits to be generated from the installed best management practices (BMPs) that include riparian buffer, off-stream watering with streambank fencing and rotation grazing for Client MuCfrT0001. This certification includes a verification plan, and authorizes the generation of nitrogen credits.	Susquehanna	687			09/22/10	09/30/15
68	Lycoming County Conservation District: Nitrogen credits to be generated from the installed best management practices (BMPs) that include riparian buffer, off-stream watering with streambank fencing and rotation grazing for Client LaCCoT0001. This certification includes a verification plan, and authorizes the generation of nitrogen credits.	Susquehanna	2,142			09/22/10	09/30/15

69	Lycoming County Conservation District: Nitrogen credits to be generated from the installed best management practices (BMPs) that include riparian buffer, off-stream watering with streambank fencing and rotation grazing for Client LaCCoT0002. This certification includes a verification plan, and authorizes the generation of nitrogen credits.	Susquehanna	735			09/22/10	09/30/15
70	Lycoming County Conservation District: Nitrogen credits to be generated from the installed best management practices (BMPs) that include riparian buffer, off-stream watering with streambank fencing and rotation grazing for Client LyCLyT0001. This certification includes a verification plan, and authorizes the generation of nitrogen credits.	Susquehanna	589			09/22/10	09/30/15
71	Elizabethtown Borough Wastewater Treatment Plant : This certification describes a process for the calculation of annual credits for the treatment plant. This certification includes a verification plan, and authorizes the generation of annual credits. Note: The values listed may change when the credits are verified.	Susquehanna	45,518 (2011 Compliance Year) 45,040 (2012 Compliance Year) 44,646 (2013 Compliance Year) 44,264 (2014 Compliance Year) 43,494 (2015 Compliance Year)	2,531 (2011 Compliance Year) 2,499 (2012 Compliance Year) 2,473 (2013 Compliance Year) 2,447 (2014 Compliance Year) 2,395 (2015 Compliance Year)		10/13/2010	9/30/2015
72	American Farmland Trust: Nutrient reductions generated from the nitrogen reduction practice shall be available for the generation of nutrient reduction credits. This practice will be completed by Client PA10-008B. This certification includes a verification plan, and authorizes the generation of nitrogen credits. Note: The values listed may change when the credits are verified.	Susquehanna	272			10/13/2010	9/30/2015
73	American Farmland Trust: Nutrient reductions generated from the nitrogen reduction practice shall be available for the generation of nutrient reduction credits. This practice will be completed by Client PA10-014. This certification includes a verification plan, and authorizes the generation of nitrogen credits. Note: The values listed may change when the credits are verified.	Susquehanna	1151			10/13/2010	9/30/2015
74	American Farmland Trust: Nutrient reductions generated from the nitrogen reduction practice shall be available for the generation of nutrient reduction credits. This practice will be completed by Client PA10-016. This certification includes a verification plan, and authorizes the generation of nitrogen credits. Note: The values listed may change when the credits are verified.	Susquehanna	1185			10/13/2010	9/30/2015
75	American Farmland Trust: Nutrient reductions generated from the nitrogen reduction practice shall be available for the generation of nutrient reduction credits. This practice will be completed by Client PA10-017. This certification includes a verification plan, and authorizes the generation of nitrogen credits. Note: The values listed may change when the credits are verified.	Susquehanna	937			10/13/2010	9/30/2015

76	American Farmland Trust: Nutrient reductions generated from the nitrogen reduction practice shall be available for the generation of nutrient reduction credits. This practice will be completed by Client PA10-018. This certification includes a verification plan, and authorizes the generation of nitrogen credits. Note: The values listed may change when the credits are verified.	Susquehanna	545			10/13/2010	9/30/2015
77	Berwick Area Joint Sewer Authority: This certification describes a process for the calculation of annual credits for the treatment plant. This certification includes a verification plan, and authorizes the generation of annual credits. Note: The values listed may change when the credits are verified.	Susquehanna	33,600	690		1/10/2011	9/30/2015
78	Lycoming County Conservation District: Nitrogen credits to be generated from the installed best management practices (BMPs) that include precision grazing, off-stream watering with streambank fencing, no-till, and riparian buffer for Client AdCCIT0001. This certification includes a verification plan, and authorizes the generation of nitrogen credits.	Susquehanna	456			1/11/2011	9/30/2015
79	Lycoming County Conservation District: Nitrogen credits to be generated from the installed best management practices (BMPs) that include precision grazing, off-stream watering with streambank fencing and rotational grazing and riparian buffer for Client MuCJoT0001. This certification includes a verification plan, and authorizes the generation of nitrogen credits.	Susquehanna	587			1/11/2011	9/30/2015
80	Lycoming County Conservation District: Nitrogen credits to be generated from the installed riparian buffer for Client MuCMuT0001. This certification includes a verification plan, and authorizes the generation of nitrogen credits.	Susquehanna	39			1/11/2011	9/30/2015
81	City of Lancaster Advanced Wastewater Treatment Plant: This certification describes a process for the calculation of annual credits for the treatment plant. This certification includes a verification plan, and authorizes the generation of annual credits. Note: The values listed may change when the credits are verified. This certification replaces the previous certification that was provided on June 18, 2010.	Susquehanna	138,939 (2010 Compliance Year) 130,148 (2011 Compliance Year) 127,894 (2012 Compliance Year) 125,063 (2013 Compliance Year) 121,580 (2014 Compliance Year) 118,544 (2015 Compliance Year)	10,350 (2010 Compliance Year) 9,858 (2011 Compliance Year) 9,731 (2012 Compliance Year) 9,573 (2013 Compliance Year) 9,378 (2014 Compliance Year) 9,208 (2015 Compliance Year)		3/16/2011	9/30/2015
82	Pennsylvania Environmental Council and Capital RC&D- Pollutant credits to be generated from the installation of Best Management Practices (BMPs) that include Continuous No-Till, Conservation Till and Cereal Cover Crops. This practice will be completed Farm A-J through the Bradford County Park the Plow Program. This certification includes a verification plan, and authorizes the generation of nitrogen and phosphorous credits.	Susquehanna	1,336	16		3/21/2011	9/30/2015
83	Pennsylvania Environmental Council and Capital RC&D- Pollutant credits to be generated from the installation of Best Management Practices (BMPs) that include Continuous No-Till, Conservation Till and Cereal Cover Crops. This practice will be completed Farm A-R through the Bradford County Park the Plow Program. This certification includes a verification plan, and authorizes the generation of nitrogen and phosphorous credits.	Susquehanna	70	5		3/21/2011	9/30/2015



84	Pennsylvania Environmental Council and Capital RC&D- Pollutant credits to be generated from the installation of Best Management Practices (BMPs) that include Continuous No-Till, Conservation Till and Cereal Cover Crops. This practice will be completed Farm B through the Bradford County Park the Plow Program. This certification includes a verification plan, and authorizes the generation of nitrogen credits.	Susquehanna	266			3/21/2011	9/30/2015
85	Pennsylvania Environmental Council and Capital RC&D- Pollutant credits to be generated from the installation of Best Management Practices (BMPs) that include Continuous No-Till, Conservation Till and Cereal Cover Crops. This practice will be completed Farm C through the Bradford County Park the Plow Program. This certification includes a verification plan, and authorizes the generation of nitrogen credits.	Susquehanna	426			3/21/2011	9/30/2015
86	Pennsylvania Environmental Council and Capital RC&D- Pollutant credits to be generated from the installation of Best Management Practices (BMPs) that include Continuous No-Till, Conservation Till and Cereal Cover Crops. This practice will be completed Farm D through the Bradford County Park the Plow Program. This certification includes a verification plan, and authorizes the generation of nitrogen credits.	Susquehanna	1,107			3/21/2011	9/30/2015
87	Bion Environmental Technologies and Bion PA1, LLC: The certification certifies the pollutant reduction activity pursuant to which nutrient reduction credits may be generated from the operation of the Bion Combustion Facility that, as described in the certification request, will process poultry manure from Kreider Farms to reduce nutrients while producing residual ash that will be land-filled or beneficially used for its nutrient content. The Bion Combustion Facility will be designed to accept other biomass sources, such as the cellulosic coarse solids produced by the Kreider Dairy Bion Environmental Management System (BEMS). The certification outlined that no nutrient credits can be generated until Bion provides the final location of the Facility, Bion receives final Department approval of all required permits needed for the construction and operation of the Facility, and the applicable Nutrient Management Plans for the Kreider Farms are modified to reflect the processing of the manure. This certification includes a verification plan. Note: The values listed may change when the facility is operational and credits are verified.	Susquehanna	559,457			5/24/2011	9/30/2022
88	Lycoming County Conservation District: Nitrogen credits to be generated from the installed best management practices (BMPs) that include off-stream watering, streambank fencing on the 4 acres of pasture and the riparian buffer installed on the remaining 13.9 acres for Client PiCJaT0001. This certification includes a verification plan, and authorizes the generation of nitrogen credits.	Susquehanna	95			6/2/2011	9/30/2015

89	Wyoming Valley Sanitary Authority: The certification is applicable to the nutrient reductions generated from the treatment of nitrogen and phosphorous. This approval includes a verification plan, and authorizes the generation of nutrient reduction credits. Note: The values listed may change when the credits are verified.	Susquehanna	198,562	17,576		6/28/2011	9/30/2015
90	Red Barn Trading Company: The certification is applicable to the nutrient reductions generated from the export of 240 tons of poultry manure from Cherry Crest Farms. This approval includes a verification plan, and authorizes the generation of nutrient credits. Note: The values listed may change when the credits are verified.	Susquehanna	2,054	47		7/1/2011	9/30/2015
91	Red Barn Trading Company: The certification is applicable to the nutrient reductions generated from the export of 361 tons of poultry manure from Todd Rohrer's Farm. This approval includes a verification plan, and authorizes the generation of nutrient credits. Note: The values listed may change when the credits are verified.	Susquehanna	3,131	19		7/1/2011	9/30/2015
92	Red Barn Trading Company: The certification is applicable to the nutrient reductions generated from the export of 210 tons of poultry manure from Earl Ray Zimmerman's Farm. This approval includes a verification plan, and authorizes the generation of nutrient credits. Note: The values listed may change when the credits are verified.	Susquehanna	1,332	33		7/1/2011	9/30/2015
93	Red Barn Trading Company: The certification is applicable to the nutrient reductions generated from the export of 389 tons of poultry manure from Mark Rohrer's Farm. This approval includes a verification plan, and authorizes the generation of nutrient credits. Note: The values listed may change when the credits are verified.	Susquehanna	3,374	20		7/1/2011	9/30/2015
94	Red Barn Trading Company: The certification is applicable to the nutrient reductions generated from the export of 623 tons of poultry manure from John Harnish's Farm. This approval includes a verification plan, and authorizes the generation of nutrient credits. Note: The values listed may change when the credits are verified.	Susquehanna	3,195	16		7/1/2011	9/30/2015
95	TeamAg: This certification is applicable to the nitrogen credits to be generated from the pollutant reduction activity of continuous no-till, cereal cover crops and a riparian forest buffer on land owned by Lancaster Area Sewer Authority. This approval includes a verification plan and authorizes the generation of nitrogen reduction credits. Note: The values listed may change when the credits are verified.	Susquehanna	2,960			9/12/2011	9/30/2016
96	University Area Joint Authority: This certification is applicable to the phosphorus credits to be generated from the pollutant reduction activity of the University Area Joint Authority's installed treatment process. This approval includes a verification plan and authorizes the generation of phosphorus reduction credits. Note: The values listed may change when the credits are verified.	Susquehanna		7,500		10/14/2011	9/30/2013

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97	Lycoming County Conservation District: This certification describes a process for the calculation of annual credits to be generated by the export of poultry litter from the Chesapeake Bay Watershed for Client WhCWaT000. This certification includes a verification plan, and authorizes the generation of annual credits.	Susquehanna	12,524	682		10/17/2011	9/30/2015
98	Lancaster Area Sewer Authority: This certification is applicable to nitrogen and phosphorous credits to be generated from the pollutant reduction activity of the Lancaster Area Sewer Authority's installed treatment process. This certification includes a verification plan, and authorizes the generation of nitrogen and phosphorus credits.	Susquehanna	13,726 (2011 Compliance Year) 10,721 (2012 Compliance Year) 7,550 (2013 Compliance Year) 5,013 (2014 Compliance Year) 2,549 (2015 Compliance Year).	7,524 ( 2011 Compliance Year) 7,424 ( 2012 Compliance Year) 7,320 (2013 Compliance Year) 7,236 (2014 Compliance Year) 7,154 (2015 Compliance Year)		11/3/2011	9/30/2015
99	C.S. Davidson, Inc. on behalf of Northeastern York County Sewer Authority: This certification is applicable to nitrogen and phosphorous credits to be generated from the pollutant reduction activity of the Northeastern York County Sewer Authority's installed treatment process. This certification includes a verification plan, and authorizes the generation of nitrogen and phosphorus credits.	Susquehanna	31,000 (2011 Compliance Year) 31,000 (2012 Compliance Year) 30,500 (2013 Compliance Year) 30,500 (2014 Compliance Year) 30,300 (2015 Compliance Year)	950(2011 Compliance Year) 950(2012 Compliance Year) 925(2013 Compliance Year) 925(2014 Compliance Year) 900(2015 Compliance Year)		11/3/2011	9/30/2015
100	Lycoming County Conservation District. This certification is applicable to nitrogen reduction credits to be generated by Client GrLoT0001 from the pollutant reduction activities of 61.7 acres of precision grazing, 18 acres of continuous no-till and the installed off-stream watering with fencing on 17.4 acres of pasture. This approval includes a verification plan, and authorizes the generation of nitrogen reduction credits.	Susquehanna	289			11/15/2011	9/30/2016
101	Red Barn Trading Company. This certification is applicable to nitrogen reduction credits to be generated by Daniel Smucker from the pollutant reduction activities of 28.5 acres of continuous no-till and cover crops. This approval includes a verification plan, and authorizes the generation of nitrogen reduction credits and phosphorus reduction credits.	Susquehanna	851	5		11/15/2011	9/30/2016
102	CET Engineering Services on behalf of the Borough of Tyrone. This certification is applicable to nitrogen reduction credits to be generated from the pollutant reduction activity of the Borough of Tyrone Wastewater Treatment Facility's installed treatment process. This approval includes a verification plan, and authorizes the generation of nitrogen reduction credits.	Susquehanna	48,260			11/15/2011	9/30/2016
103	Herbert Rowland & Grubic Inc. on behalf of Kelly Township Municipal Authority. This certification is applicable to nitrogen reduction credits to be generated from the pollutant reduction activity of Kelly Township Municipal Authority's installed treatment process. This approval includes a verification plan, and authorizes the generation of nitrogen reduction credits.	Susquehanna	38,300			11/15/2011	9/30/2016

104	Buchart Horn Inc. on behalf of East Berlin Area Joint Authority. This certification is applicable to nitrogen and phosphorus reduction credits to be generated from the pollutant reduction activity of East Berlin Area Joint Authority's installed treatment process. This approval includes a verification plan, and authorizes the generation of nitrogen and phosphorus reduction credits.	Susquehanna	2,571	170		11/22/2011	9/30/2011
105	Mercuria Energy America, Inc. on behalf of Granville Township. This certification is applicable to nutrient reduction credits to be generated from the pollutant reduction activity of Granville Township's installed treatment process. This approval includes a verification plan, and authorizes the generation of nitrogen and phosphorus reduction credits.	Susquehanna	7,300	600		1/6/2012	9/30/2016
106	TeamAg Incorporated on behalf of Jeffrey Balmer and in coordination with Lancaster Farmland Trust. This certification is applicable to nutrient reduction credits to be generated from the pollutant reduction activity of continuous no-till and cover crops. This approval includes a verification plan, and authorizes the generation of nitrogen reduction credits.	Susquehanna	1,715			2/10/2012	9/30/2016
107	TeamAg Incorporated on behalf of Oregon Dairy Farm and in coordination with Lancaster Farmland Trust. This certification is applicable to nutrient reduction credits to be generated from the pollutant reduction activity of continuous no-till and cover crops. This approval includes a verification plan, and authorizes the generation of nitrogen reduction credits.	Susquehanna	922			2/21/2012	9/30/2016
108	TeamAg Incorporated on behalf of Joe Esh Farm and in coordination with Lancaster Farmland Trust. This certification is applicable to nutrient reduction credits to be generated from the pollutant reduction activity of continuous no-till and cover crops. This approval includes a verification plan, and authorizes the generation of nitrogen reduction credits.	Susquehanna	686			3/12/2012	9/30/2016
109	Lycoming County Conservation District. This certification is applicable to nitrogen reduction credits to be generated by Client LyChET0001 from the pollutant reduction activities of 17.5 acres of Off-Stream Watering with Stream Fencing (pasture) and 2.66 acres of Riparian Forest Buffer. This approval includes a verification plan, and authorizes the generation of nitrogen reduction credits.	Susquehanna	1,385			4/17/2012	9/30/2016

110	Entech Engineering on behalf of Butler Township Wastewater Department. This certification is applicable to nitrogen reduction credits to be generated from the pollutant reduction activity of Butler Township's installed treatment process. This approval includes a verification plan, and authorizes the generation of nitrogen reduction credits.	Susquehanna	19,294 (2012 Compliance Year) 18,828 (2013 Compliance Year) 18,185 (2014 Compliance Year) 17,740 (2015 Compliance Year) 16,678 (2016 Compliance Year).			4/23/2012	9/30/2016
111	Lennon, Smith, Souleret Engineering, Inc. on behalf of Martinsburg Municipal Authority. This certification is applicable to nitrogen and phosphorous reduction credits to be generated from the pollutant reduction activity of Martinsburg's installed treatment process. This approval includes a verification plan, and authorizes the generation of nitrogen and phosphorous reduction credits.	Susquehanna	2,300 (2012 Compliance Year) 2,191 (2013 Compliance Year) 2,083 (2014 Compliance Year) 1,975 (2015 Compliance Year) 1,866 (2016 Compliance Year).	126 (2012 Compliance Year) 117 (2013 Compliance Year) 107 (2014 Compliance Year) 98 (2015 Compliance Year) 88 (2016 Compliance Year).		4/30/2012	9/30/2016
112	Red Barn Trading Company. This certification is applicable to nitrogen and phosphorous reduction credits to be generated by the Dennis Eby Farm from the pollutant reduction activities of 14.8 acres of continuous no-till and cover crops on corn fields and 10.7 acres of continuous no-till on wheat. This approval includes a verification plan, and authorizes the generation of nitrogen reduction credits and phosphorus reduction credits.	Susquehanna	78	4		5/23/2012	9/30/2016
113	Red Barn Trading Company. This certification is applicable to nitrogen and phosphorous reduction credits to be generated by the Jay Hess Farm from the pollutant reduction activities of 26 acres of continuous no-till and cover crops on corn fields. This approval includes a verification plan, and authorizes the generation of nitrogen reduction credits and phosphorus reduction credits.	Susquehanna	513	4		5/23/2012	9/30/2016
114	Red Barn Trading Company. This certification is applicable to nitrogen reduction credits to be generated by the Daniel B. Petersheim Farm from the pollutant reduction activities of 35 acres of continuous no-till and cover crops on corn fields. This approval includes a verification plan, and authorizes the generation of nitrogen reduction credits and phosphorus reduction credits.	Susquehanna	491			5/23/2012	9/30/2016
115	Red Barn Trading Company. This certification is applicable to nitrogen reduction credits to be generated by the Gerald Zimmerman Farm from the pollutant reduction activities of 75 acres of continuous no-till and cover crops on corn fields. This approval includes a verification plan, and authorizes the generation of nitrogen reduction credits and phosphorus reduction credits.	Susquehanna	1,581			5/23/2012	9/30/2016

The Department provided conditional pre-approval to ElectroCell Technologies, Inc., for calculating credits on January 14, 2009. This methodology was revised on August 13, 2010.

X = These certifications did not contain a timeframe and Section 96.8(e)(9)(iv) of the Nutrient trading regulation states "By April 13, 2015, the recipient of a certification issued prior to October 9, 2010, shall submit a request for renewal of the certification." Pollutant reduction activities that expire under this provision will not be eligible for credit generation in compliance years 2016 and beyond unless and until they are recertified.