

#	Starts on Pg.	Date	BUD Status	Applicant	Location (County)	Location (Municipality)	Brine Type	Source	Summary of Conditions/Reasons for Denial	Petition pg. #s	Summary of contents of petition (including testing results)
1)	1	Jun. 14, 2011	Approved	Town of Allen	Allegany	Allen	Gas storage	National Fuel Gas facility located in Andover, NY	Approved for dust suppression subject to the following conditions: vehicles must have Part 364 permit, dedicated equipment or cleaned after use, limited to locations and procedures in petition, not after daylight, not within 50 ft of water body or in manner that would cause runoff to water body, not on wet roads or when rain is imminent, max 6 application per road per season	2-30	Testing results only (page 2-30). Results sent to Stephen Condon on 6/2/11. Lab results from TestAmerica Buffalo.
2)	31	Aug. 11, 2011	Approved (via email) additional sites to July 28, 2011 Fox Construction BUD	Fox Construction	Erie, Chautauqua	Eden, Boston, Cherry Creek, North Collins	Gas well - addition to BUD for gas well brine	Addition to BUD for brine from various Medina and Theresa formation gas wells in Erie, Cattaraugus and Chatauqua Counties	Not an original application, original BUD on 51-53	32-37	Approval is for additional spreading sites on an existing BUD. Page 32 is the table of all approved sites, remaining pages are the applications for the 5 individual sites
3)	38	May. 30, 2012	Approved modification with additional sites to July 28, 2011 Fox Construction BUD	Fox Construction	Cattaraugus, Genessee, Niagara	Freedom, Alexander, Sanborn, Cattaraugus, Otto	Gas well - addition to BUD for gas well brine	Addition to BUD for brine from various Medina and Theresa formation gas wells in Erie, Cattaraugus and Chatauqua Counties	Not an original application, original BUD on 51-53	39-45	Approval is for additional spreading sites on an existing BUD. Page 39 is the table of all approved sites, remaining pages are the applications for the 6 individual sites.
4)	46	Sept. 19, 2011	Approved (via email) additional sites to July 28, 2011 Fox Construction BUD	Fox Construction	Erie	Eden, North Collins	Gas well - addition to BUD for gas well brine	Addition to BUD for brine from various Medina and Theresa formation gas wells in Erie, Cattaraugus and Chatauqua Counties	Not an original application, original BUD on 51-53	47-50	Approval is for additional spreading sites on an existing BUD. Page 47 is the table of all approved sites, remaining pages are the applications for the 2 individual sites

#	Starts on Pg.	Date	BUD Status	Applicant	Location (County)	Location (Municipality)	Brine Type	Source	Summary of Conditions/Reasons for Denial	Petition pg. #s	Summary of contents of petition (including testing results)
5)	51	Jul. 28, 2011	Approved	Fox Construction	Wyoming, Cattaraugus, Erie	Conewango Valley, Buffalo, North Collins, Springville, Orchard Park, Lancaster, Angola, Eden, Hamburg, South Dayton, Holland, East Concord, North Java, Glenwood, Little Valley	Gas well	various Medina and Theresa formation gas wells in Erie, Cattaraugus and Chatauqua Counties	Approved for dust control and road stabilization. Conditions - valid Part 364 permit, additional locations added on request, applied with spreader bar or similar device with shutoff controls, dedicted equipment or cleaned after use, limited to procedures in petition, no brine within 50 ft of waterbodies or in a manner that may cause runoff, not on road with grade >10%, max 10 applications per section per season	54-80	Response from applicant re: source of brine on page 54 (applicant states "no brine will be spread from Marcellus formation wells at this time"), testing results on page 55, remaining pages are fax cover sheets and site specific petitions. The contents of the petitions match the ultimate conditions of the BUD. Lab Microbac Laboratories.
6)	81	Aug. 11, 2011	Approved	Dallas-Morris Drilling	Cattaraugus	Carrollton	Oil well	generated from wells and stored on adjacent properties in the Town of Carrollton, NY	Approved for dust control and road stabilization. Conditions - Conducted accoding to petition, no brine with 50 ft of a waterbody or in a manner that will cause runoff to a water body, no roads with grade >10%, approved only for described properties, max 10 times per section per season	83-92	Petition on 83-84 matches the BUD and describes where stored. Pg 85 is permission of the property owner. Pgs. 86-88 are maps. Pgs. 89-92 are testing results. First lab is Microbac, second lab is Environmental Service Laboratories.

#	Starts on Pg.	Date	BUD Status	Applicant	Location (County)	Location (Municipality)	Brine Type	Source	Summary of Conditions/Reasons for Denial	Petition pg. #s	Summary of contents of petition (including testing results)
7)	95	Aug. 24, 2011	Approved	Kabel's Gas Service	Erie	Eden	Gas well	wells from Medina and Flint formations in Eden, NY area	Approved for dust suppression. Conditions - no use of fracture fluids obtained during flowback, vehicles must have Part 364 permit, may only be spread on driveway of facility in accordance with petition, no spreading after daylight, not within 50ft of any waterbody or in manner that would cause runoff, not on wet roads or when rain is imminent, max 10 applications per section per season.	96-97	Pg 96 is a letter from the secretary explaining that they collect from only a few wells and that only the owner is involved because there are no employees. Pg 97 is a map.
8)	98	Sept. 16, 2011	Approved	Town of Ward	Allegany	Ward	Gas storage	National Fuel Gas - Beech Hill Station facility located in Wellsville, NY	Approved for dust control and road stabilization. Conditions - no use of fracture fluids obtained during flowback, no use of Marcellus brine without further analysis, vehicles must have Part 364 permit, may only be spread on roads listed in petition, no spreading after daylight, not within 50ft of any waterbody or in manner that would cause runoff, not on wet roads or when rain is imminent, only on roads listed in petitions, max 10 applications per section per season.	99-118	Pg 99 is petition and includes list of roads, pg 102-118 is test results. Lab TestAmerica Buffalo.

#	Starts on Pg.	Date	BUD Status	Applicant	Location (County)	Location (Municipality)	Brine Type	Source	Summary of Conditions/Reasons for Denial	Petition pg. #s	Summary of contents of petition (including testing results)
9)	119	Mar. 8, 2012	Approved	Town of Gerry	Chautauqua	Gerry	Unspecified - says "brine" or "salt brine"	storage tanks shared with the Chatauqua Co Highway Dept	Not an original application, approval for 20 additional deicing applications (for a total of 40). Conditions - no use of fracture fluids obtained during flowback, no use of Marcellus brine without further analysis, vendor transportation vehicles must have Part 364 permit but not spreading vehicles, not within 50ft of any waterbody or in manner that would cause runoff, only on roads listed in original petition.	120-121	Letter from the town requesting additional applications.
10)	122	Nov. 3, 2011	Approved	Town of Gerry	Chautauqua	Gerry	Unspecified - says "brine" or "salt brine"	storage tanks shared with the Chatauqua Co Highway Dept, located in Gerry and Sinclairville, NY	Approved for deicing applications. Conditions - no use of fracture fluids obtained during flowback, no use of Marcellus brine without further Part 364 permit but not spreading vehicles, not within 50ft of any waterbody or in manner that would cause runoff, only on roads listed in original petition, max 20 times per section per season	123-124	Letter from the town pg 123, storage tank locations pg 124. Testing results from Microbac Laboratories in Erie, PA pgs. 125 - 130.
11)	131	Dec. 9, 2011	Approved	NYS DOT Region 6	Steuben, Allegany, Chemung, Schuyler, Yates	Unspecified. Maps submitted with petition show NYSDOT maintained roads at the county level.	Gas storage	National Fuel Gas Supply Corporation Beech Hill Station in Independence, NY	Approved for deicing. Conditions - no use of fracture fluids obtained during flowback, no use of Marcellus brine without further analysis, vendor and/or transportation vehicles must have Part 364 permit but not spreading vehicles, storage and deicing in accordance with petition, not in manner that would cause runoff. Requires annual report with "number of gallons of well production brine beneficially used" and "analytical results from recent (calendar year) sampling of well production brine."	133-146	Includes petition and maps pgs 133-138. Testing results on pg 139 from TestAmerica Buffalo. Pg. 140 information for annual report, immediately following are test results from TestAmerica Buffalo. Finally, list of amounts (gallons) of brine delivered to NYSDOT Region 6 facilities from Jan 12 - Feb 8, 2012, total 43,398 gallons.

#	Starts on Pg.	Date	BUD Status	Applicant	Location (County)	Location (Municipality)	Brine Type	Source	Summary of Conditions/Reasons for Denial	Petition pg. #s	Summary of contents of petition (including testing results)
12)	147	Dec. 13, 2011	Approved	NYSDOT Region 5	Chautauqua	Unspecified. Map submitted with petition shows state routes at the county level.	Unspecified - BUD says "well brine," petition says "brine" or "salt brine."	Chautauqua Co owned brine storage tanks.	Approved for deicing. Conditions - no use of fracture fluids obtained during flowback, no use of Marcellus brine without further analysis, vendor and/or transportation vehicles must have Part 364 permit but not spreading vehicles, storage and deicing in accordance with petition, not in manner that would cause runoff. Requires annual report with "number of gallons of well production brine beneficially used" and "analytical results from recent (calendar year) sampling of well production brine."	149-154	Includes petition letter, map of state routes in the county. Also what appears to be list of storage tank locations, along with amount brine received and used 2010-2011.
13)	155	Jan. 9, 2012	Approved	Town of Almond	Allegany	Almond	Gas storage	National Fuel Gas - Beech Hill Station facility located in Wellsville, NY	Approved for dust control and road stabilization. Conditions - no use of fracture fluids obtained during flowback, no use of Marcellus brine without further analysis, vehicles must have Part 364 permit, only in accordance with petition, no spreading after daylight, not within 50ft of any waterbody or in manner that would cause runoff, not on wet roads or when rain is imminent, only on roads listed in petitions, max 2 applications per section per season.	156-183	First page is petition letter, 157-182 are test results, 183 is a map. Test results in between Town of Almond letter and Town of Almond map, lab TestAmerica Buffalo.
14)	184	Jan. 9, 2012	Approved	Town of Genesee	Allegany	Genesee	Gas storage	National Fuel Gas - Beech Hill Station facility located in Wellsville, NY and National Fuel Gas facility in Andover, NY	Approved for dust control and road stabilization. Conditions - no use of fracture fluids obtained during flowback, no use of Marcellus brine without further analysis, vehicles must have Part 364 permit, only in accordance with petition, no spreading after daylight, not within 50ft of any waterbody or in manner that would cause runoff, not on wet roads or when rain is imminent, only on roads listed in petitions, max 10 applications per section per season.	185-218	Includes letters from the town, a DC notice re: BUD applications. Test results follow map. Lab TestAmerica Buffalo.

#	Starts on Pg.	Date	BUD Status	Applicant	Location (County)	Location (Municipality)	Brine Type	Source	Summary of Conditions/Reasons for Denial	Petition pg. #s	Summary of contents of petition (including testing results)
15)	219	Mar. 29, 2012	Approved	Town of Bolivar	Allegany	Bolivar	Gas storage	National Fuel Gas - Beech Hill Station faciliated located in Wellsville, NY and National Fuel Gas facility located in Andover, NY	Approved for dust control and road stabilization. Conditions - no use of fracture fluids obtained during flowback, no use of Marcellus brine without further analysis, vehicles must have Part 364 permit, only in accordance with petition, no spreading after daylight, not within 50ft of any waterbody or in manner that would cause runoff, not on wet roads or when rain is imminent, no roads with grade >10%, max 20 applications per section per season. Lists specific roads allowed.	220-269	Maps on 220-21, remainder is transporter permit renewal. Pages 231-269 are the originally unprocessed transporter permit application that was unprocessed because no BUD was on file at the time. The BUD refers to testing information, which is on pages 235-269. Lab TestAmerica Buffalo.
16)	270	May. 14, 2012	Approved	Town of Jasper	Steuben	Jasper	Gas storage	National Fuel Gas facility located in Wellsville, NY and National Fuel Gas facility located in Andover, NY	Approved for dust control and road stabilization. Conditions - no use of fracture fluids obtained during flowback, no use of Marcellus brine without further analysis, vehicles must have Part 364 permit, only in accordance with petition, no spreading after daylight, not within 50ft of any waterbody or in manner that would cause runoff, not on wet roads or when rain is imminent, no roads with grade >10%, max 20 applications per section per season.	271-300	271 is letter from town, 272-73 maps. BUD refers to testing information, which is on pgs 275-300. Lab TestAmerica Buffalo. Note fax date at top of pages 3/6/2012.
17)	301	May. 30, 2012	Approved	Town of Cameron	Steuben	Cameron	Gas storage	National Fuel Gas Beech Hill Station facility located in Whitesville, NY	Approved for dust control and road stabilization. Conditions - no use of fracture fluids obtained during flowback, no use of Marcellus brine without further analysis, vehicles must have Part 364 permit, only in accordance with petition, no spreading after daylight, not within 50ft of any waterbody or in manner that would cause runoff, not on wet roads or when rain is imminent, no roads with grade >10%, max 20 applications per section per season, only on roads listed in petition map.	302-340	303 is the list of roads, 304 is a map. BUD refers to testing information, which is on pgs 305-340. Lab TestAmerica Buffalo.

#	Starts on Pg.	Date	BUD Status	Applicant	Location (County)	Location (Municipality)	Brine Type	Source	Summary of Conditions/Reasons for Denial	Petition pg. #s	Summary of contents of petition (including testing results)
18)	341	May. 30, 2012	Approved	Western New York Gas and Steam Association	Genessee	Alexander	Gas well	United States Gypsum Company located in Oakfield, NY	Approved for dust control and road stabilization. Conditions - no use of fracture fluids obtained during flowback, no use of Marcellus brine without further analysis, only in accordance with petition, no spreading after daylight, not within 50ft of any waterbody or in manner that would cause runoff, not on wet roads or when rain is imminent, max 4 applications per section per season.	342-346	Contains a letter describing actions company has taken to prepare for spreading on the grounds, maps on 344-346
19)	347	May. 30, 2012	Approved	Town of West Union	Steuben	West Union	Gas storage	National Fuel Gas Beech Hill Station facility located in Whitesville, NY	Approved for dust control and road stabilization. Conditions - no use of fracture fluids obtained during flowback, no use of Marcellus brine without further analysis, vehicles must have Part 364 permit, only in accordance with petition, no spreading after daylight, not within 50ft of any waterbody or in manner that would cause runoff, not on wet roads or when rain is imminent, no roads with grade >10%, max 10 applications per section per season, only on roads listed in petition map.	348-385	348 is an earlier letter directing the town to renew its Part 364 permit, 349 is a handwritten letter from the town that appears to describe the spreading process. BUD refers to testing information, which is on pgs 350-385. Lab TestAmerica Buffalo.
20)	386	Jun. 5, 2012	Approved	Town of Hartsville	Steuben	Hartsville	Gas storage	National Fuel Gas - BUD says Beech Hill facility located in Whitesville, NY, but petition says Independence Hill facility located in Independence, NY and Beech Hill facility located in Willing, NY	Approved for dust control and road stabilization. Conditions - no use of fracture fluids obtained during flowback, no use of Marcellus brine without further analysis, vehicles must have Part 364 permit, only in accordance with petition, no spreading after daylight, not within 50ft of any waterbody or in manner that would cause runoff, not on wet roads or when rain is imminent, no roads with grade >10%, max 10 applications per section per season, only on roads listed in petition map.	387-389	387 is information about source and spreading method, 388 is a map of roads for spreading, 389 is a certification.

#	Starts on Pg.	Date	BUD Status	Applicant	Location (County)	Location (Municipality)	Brine Type	Source	Summary of Conditions/Reasons for Denial	Petition pg. #s	Summary of contents of petition (including testing results)
21)	390	Jul. 18, 2012	Approved	D.C. Rauscher, Inc.	Seneca	Seneca Falls	Gas well	natural gas well 626016-Martin located in Seneca County, NY	Approved for dust control and road stabilization. Conditions - no use of fracture fluids obtained during flowback, no use of Marcellus brine without further analysis, vehicles must have Part 364 permit, only in accordance with petition, no spreading after daylight, not within 50ft of any waterbody or in manner that would cause runoff, not on wet roads or when rain is imminent, no roads with grade >10%, max 4 applications per section per season, only on the driveway and parking areas as outlined in the petition.	391-398	391 is the cover letter explaining why they are requesting, the source of the brine, and their equipment. 394 is a map, 395-398 is testing results. Lab Upstate Laboratories.
22)	399	Nov. 5, 2012	Approved	Town of North Harmony	Chautauqua	North Harmony	Unspecified - BUD says "brine"	Atlas Energy Resources from Medina and Bass Formation wells	Approved for deicing. Conditions - no use of fracture fluids obtained during flowback, no use of Marcellus brine without further analysis, vendor transportation vehicles must have Part 364 permit but not spreading vehicles, deicing in accordance with petition, not within 50 ft of a waterbody, not in manner that would cause runoff, max 20 applications per section per season	None	
23)	401	Nov. 16, 2012	Approved	Town of Dunkirk	Chautauqua	Dunkirk	Unspecified - BUD and petition say "brine"	Chautauqua Co "Dunkirk West" storage tank	Approved for deicing. Conditions - no use of fracture fluids obtained during flowback, no use of Marcellus brine without further analysis, vendor transportation vehicles must have Part 364 permit, specific equipment dedicated to brine or cleaned after, may be used to treat bridges when public safety need but otherwise may not cause runoff, max 30 applications per section per season.	403-410	403-409 correspondence clarifying points of application, 409-410 maps



#	Starts on Pg.	Date	BUD Status	Applicant	Location (County)	Location (Municipality)	Brine Type	Source	Summary of Conditions/Reasons for Denial	Petition pg. #s	Summary of contents of petition (including testing results)
24)	411	Jan. 25, 2013	Approved	Village of Lakewood	Chautauqua	Lakewood	Unspecified - BUD says "brine," petition says "brine" or "salt brine"	storage tank located at 6 Packard Ave, Lakewood, NY	Approved for deicing. Conditions - no use of fracture fluids obtained during flowback, no use of Marcellus brine without further analysis, vendor transportation vehicles must have Part 364 permit, specific equipment dedicated to brine or cleaned after, may be used to treat bridges when public safety need but otherwise may not cause runoff, approved for all Village of Lakewood roads and Cty Hwy 110 as shown on map, max 30 applications per section per season.	413-420	413 is letter requesting the BUD, 414-418 is test results, 419 is a letter about need for a permit, 420 is a map. Test results from Microbac Laboratories.
25)	421	Jan. 25, 2013	Approved	Town of Ellery	Chautauqua	Ellery, Bemus Point	Unspecified - BUD says "brine," petition says "salt brine"	storage tank located in Bemus Point, NY	Approved for deicing. Conditions - no use of fracture fluids obtained during flowback, no use of Marcellus brine without further analysis, vendor transportation vehicles must have Part 364 permit, specific equipment dedicated to brine or cleaned after, may be used to treat bridges when public safety need but otherwise may not cause runoff, all Town of Ellery and Bemus Point roads as shown on map, max 30 applications per section per season.	422-429	422 is letter requesting BUD, 423 is a map, 424-429 is test results. NOTE: signature page for BUD is missing but no substance appears to be missing. Test results from Microbac Laboratories.
26)	430	Jan. 25, 2013	Approved	Town of Sheridan	Chautauqua	Sheridan	Unspecified - BUD and petition say "brine."	storage tank located in Sheridan, NY, appears to be from local wells	Approved for deicing. Conditions - no use of fracture fluids obtained during flowback, no use of Marcellus brine without further analysis, vendor transportation vehicles must have Part 364 permit, specific equipment dedicated to brine or cleaned after, applied according to petition (specifics outlined), may be used to treat bridges when public safety need but otherwise may not cause runoff, all Sheridan roads as shown on map, max 30 applications per section per season.	432-451	432 is letter requesting BUD in response to an ealerier letter from DEC, 433-448 is testing results, 449-450 appears to be information about the source, 451 is a map. Test results addressed to Envirotekrix - Cotton Drilling, lab TestAmerica Buffalo.

#	Starts on Pg.	Date	BUD Status	Applicant	Location (County)	Location (Municipality)	Brine Type	Source	Summary of Conditions/Reasons for Denial	Petition pg. #s	Summary of contents of petition (including testing results)
27)	452	Apr. 16, 2013	Approved	Town of Clymer	Chautauqua	Clymer	Unspecified - BUD and petition say "brine"	Chautauqua Co storage tank in Clymer, NY; brine in tank limited to onsite well production	Approved for deicing and dust control. Conditions - no use of fracture fluids obtained during flowback, no use of Marcellus brine without further analysis, specific equipment dedicated to brine or cleaned after, applied according to petition (specifics outlined), may be used for deicing to treat bridges when public safety need but otherwise may not cause runoff, dust control may not be within 50 ft of a water body or in manner to cause runoff, all Clymer roads as shown on map, max 30 applications per section per season.	454-455	454 is cover letter, 455 is map
28)	456	May. 13, 2013	Partial Approval	Town of Wirt	Allegany	Wirt	Gas storage	National Fuel Gas - Beech Hill Station in Wellsville, NY	APPROVED for dust control and road stabilization. Conditions - no use of fracture fluids obtained during flowback, no use of Marcellus brine without further analysis, only in accordance with petition, no spreading after daylight, not within 50ft of any waterbody or in manner that would cause runoff, not on wet roads or when rain is imminent, max 10 applications per section per season, approved for all non-paved roads. DENIED for additional sources Terry Collins or Collins oil (no reason given).	457	457 is the letter from Wirt describing the equipment and application plans.
29)	458	Dec. 10, 2012	Denied	Copper Ridge Oil	Cattaraugus	Olean	Oil and gas well	Copper Ridge site in Olean, NY	DENIED because the chloride level is low and unlikely to be beneficial for deicing, and the level of BTEX contaminants is too high.	459-481	459-460 is the petition requesting to spread on their properties for deicing and for dust stabilization. 461 is a map, 462 is consent from the property owner, 463-481 is testing results. Lab TestAmerica Buffalo.

#	Starts on Pg.	Date	BUD Status	Applicant	Location (County)	Location (Municipality)	Brine Type	Source	Summary of Conditions/Reasons for Denial	Petition pg. #s	Summary of contents of petition (including testing results)
30)	482	Apr. 18, 2013	Exempt	Amos Zittel & Sons	Erie	Eden	Gas well	wells located on farm property in Eden, NY	EXEMPT - Because the brine is a waste generated from heating of greenhouses and natural gas production is integral to the farming practice, the brine is exempt from waste management practices. However, DEC did include recommendations for how the brine should be applied that match the sypical conditions of approved BUDs.	483	The only document included is the letter requesting an exemption for the BUD permit, which indicates only that it is a family farm growing 250 acres of vegetables.