From: Drummond, Jaclynne
To: "jblanchard@harnett.org";
cc: "ryan@ctclayton.com"; Hammonds, Andrew; Shackelford, Dennis;
Subject: RE: Dunn-Erwin Landfill Phased Assessment Plan 43-07T - Follow Up
Date: Monday, November 09, 2009 12:37:00 PM
Attachments: 1983 Aerial Exhibit.pdf

Jerry,
I have reviewed the October 26, 2009 email response submitted by Ryan Sadler (with CT Clayton, Sr, PE, Inc.) along with the attached 1983 orthophoto map of the facility. Based upon the email response (alternate source demonstration), the 1983 orthophoto map, and the soil analytical results from the *Dunn-Erwin Landfill Phased Assessment Plan – Follow Up* for 43-07T dated October 12, 2009, there appears to be no residual contamination within the soils from the leachate release at this time. However, the Solid Waste Section recommends establishing a grass cover in the areas where the phosphorus concentrations were elevated if a grass cover is not already established (the photos located within the August 11, 2009 *Phased Assessment Plan* showed sparse grass cover in these areas). The growing grass cover should assist in the uptake of the phosphorus from the soils. After established, the grass cover in these areas should then be mowed and the grass cuttings removed to stop the accumulation of the phosphorus within the soils. If you have any additional questions or concerns regarding this correspondence, please feel free to contact me.
Thanks,
Jackie

Jaclynne Drummond
Compliance Hydrogeologist
NC Department of Environment and Natural Resources
Division of Waste Management – Solid Waste Section
1646 Mail Service Center
Raleigh, NC 27699-1646
919-508-8500, Fax 919-733-4810
http://wastenotnc.org/swhome

E-mail correspondence to and from this address may be subject to the North Carolina Public Records Law and may be disclosed to third parties.
New email address is jaclynne.drummond@ncdenr.gov

From: Ryan Sadler [mailto:ryan@ctclayton.com]
Sent: Monday, October 26, 2009 5:01 PM
To: Drummond, Jaclynne
Cc: 'C. Tyrus Clayton, Jr., PE'; 'Jerry Blanchard'
Subject: RE: Dunn-Erwin Landfill Phased Assessment Plan 43-07T - Follow Up

Jackie,
We have researched the history of the site and have found what we believe is the source of the elevated phosphorous levels for this area. The leachate tanks (source of the spill) are located just a few feet in front of the old (still existing) tractor/storage shed for the old farming homeplace which was utilized up until approximately 1992. This farming operations barn/shed would have been used for storage of fertilizer and as a tractor storage/loading area which would have leached fertilizers continually over the years into the ground surrounding the shed.

The upgradiant sample should not have come into contact with any leachate source or spill and therefore we do not believe the high phosphorous levels are leachate related. However, the upgradient sample is in close proximity to the shed and would have been in the area used for tractor loading and storage.

The attached aerial dated 1983 shows the location of the shed, homeplace, and the old Dunn-Erwin Landfill. Please call with questions or comments.
Thanks,
Ryan Sadler
C.T. Clayton, Sr., P.E., Inc.

From: Drummond, Jaclynne [mailto:jaclynne.drummond@ncdenr.gov]
Sent: Monday, October 19, 2009 2:38 PM
To: jblanchard@harnett.org
Cc: ryan@ctclayton.com; Hammonds, Andrew
Subject: Dunn-Erwin Landfill Phased Assessment Plan 43-07T - Follow Up

Jerry,
I have completed my review of the *Dunn-Erwin Landfill Phased Assessment Plan – Follow Up* for 43-07T dated October 12, 2009. In response to the leachate release, soil samples were collected and analyzed by a North Carolina certified laboratory. The analytical soil results indicated that no volatile organic compounds exceeded the NCDENR's Inactive Hazardous Sites Branch Health Based Soil Remediation Goals Updated October 2008 (Health Based Soil Remediation Goals). However, the inorganic compound, phosphorus, was detected above its Health Based Soil Remediation Goal of 0.32 mg/kg in all soil samples. Sample 1 was the background sample which had a phosphorus concentration of 85 mg/kg. However, Sample 2 had a concentration of 177 mg/kg, Sample 8 had a concentration of 193 mg/kg, Sample 6 had a concentration of 262 mg/kg, and Sample 4 had a concentration of 926 mg/kg. In order to close the file on the outstanding July 28, 2009 Compliance Order With

Administrative Penalty, please determine the source of the elevated phosphorus concentrations within the soils at the facility, specifically, in the area near Sample 4 with the highest phosphorus concentrations. If you have any questions or concerns, please contact me.
Thanks,
Jackie

Jaclynne Drummond
Compliance Hydrogeologist
NC Department of Environment and Natural Resources
Division of Waste Management – Solid Waste Section
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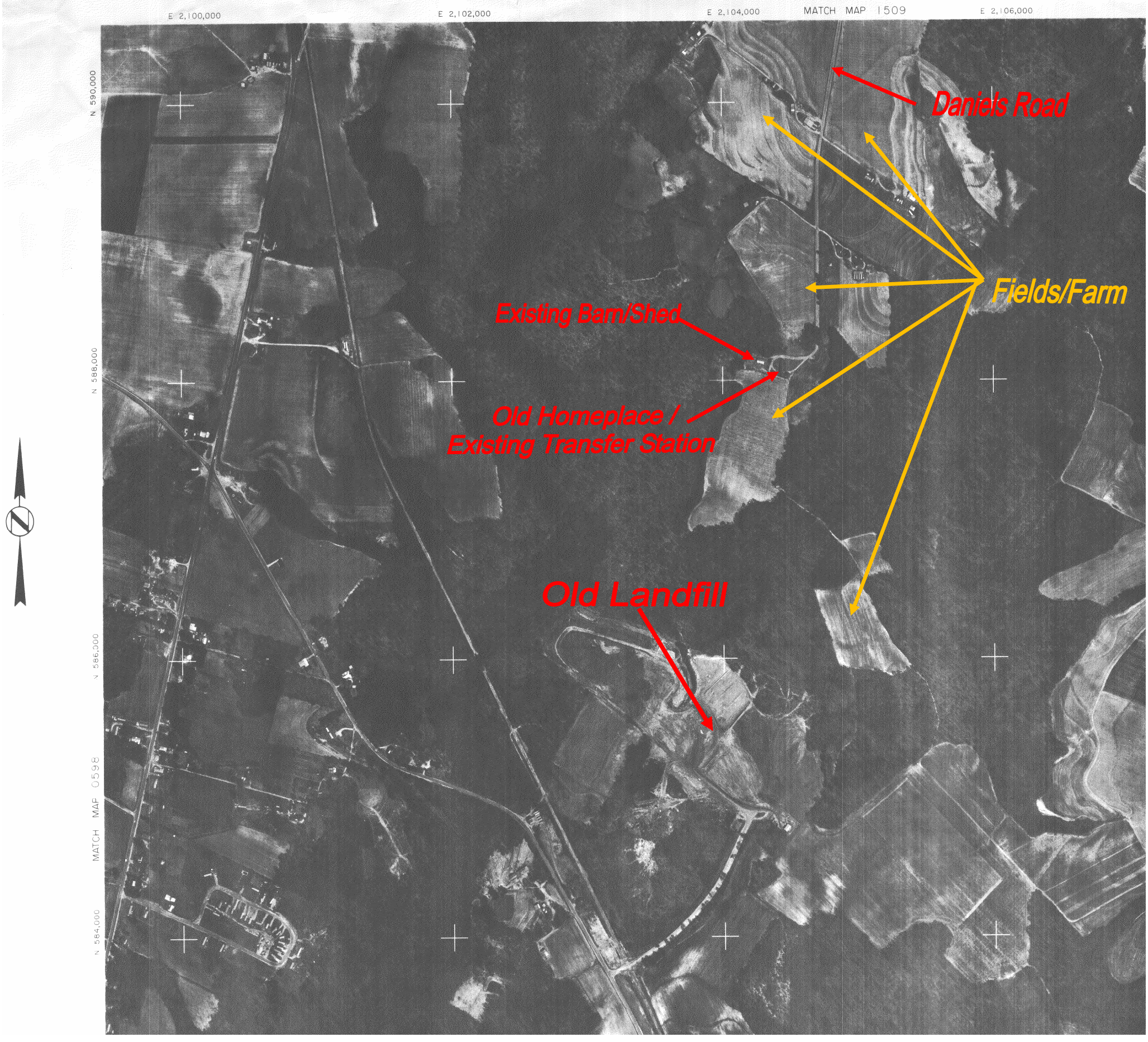
New email address is jaclynne.drummond@ncdenr.gov

No virus found in this incoming message.
Checked by AVG - www.avg.com
Version: 8.5.422 / Virus Database: 270.14.20/2440 - Release Date: 10/19/09 06:40:00

ORTHOPHOTO MAP OF HARNETT COUNTY, NORTH CAR