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Sent by an e-mail
Date: **September 17, 2014**
Solid Waste Section
Raleigh Central Office

From: Chao, Ming-tai
To: [Pieter Scheer \(pieter@smithgardnerinc.com\)](mailto:pieter@smithgardnerinc.com)
Cc: [Shackelford, Dennis](#)
Subject: Concerns/comments on the Operations Plan for Shooting Range at Dunn/Erwin Landfill facility, 43-02
Date: Wednesday, September 17, 2014 12:25:00 PM

Hey Pieter:

I have completed a review of the revised Operation Manuals (plan) dated September 9, 2014 (DIN 21744) and have no further comment on the plan at this time except the Appendix E: Sheriff's Department Training Facility Operational and Environmental Practices. The concerns/comments are stated below:

1. The original zoning/special permit was issued for landfill use. Will there be zoning, local ordinance, or special permit issued for this shooting range facility? Please clarify.
2. (Section 2.0) Since the firing range can be accessed from either the landfill entrances at Daniels Road or at Ash Avenue/ SR 1725, the additional safety concerns may be required to address in the plan:
 - i. Harnett County Sheriff's Department or Harnett County (the operator) needs post signs with legible words (such as Danger – Fire Range Is Using) or hang visible red flags on poles at the entrances/gates or concerned areas when the firing range is in use. Should the range is using at night/after dark or a low visibility day, a batter-operated red light should be activated and posted at the entrances/gates or concerned areas.
 - ii. After landfill operation hours the north entrance (at Daniel Road) via the active landfill units should not be accessible without an approval/coordination by the Harnett County Solid Waste Department.
 - iii. The operator should ensure that the entrance gate(s) is “**locked**” when the range is not in use, but the gate(s) will be remained “**unlock**” but guarded by the operator to permit access of emergency vehicles when the range is in use.
 - iv. Warning signs (highly visible color) should be placed at an interval (the distance is either reasonable or in compliance with law) around the entire perimeter fencing. The proposed perimeter fencing and entrance gates must show on the figure.
 - v. Should the range is planning to be used at night/after dark or a low visibility day, the lighting/illumination fixtures will be installed at the range. Please describe the construction of lighting fixtures (such as trenches or poles for wires, lamps) if the landfill cap/final cover will be disturbed or penetrated. The proposed layout/ location of the trench or the pole must show on figures. Will any utility line including electrical, water & sewer lines be installed over the landfill final cover areas? Please clarity.
3. The fire prevention must be addressed in the manual including the prohibition of smoking at the premise of the landfill facility (including parking lot/access roads/class room) anytime, posting the fire department contact info/route to the hospital, availability of on-site firefighting equipment/locations. The operator or his designee must be responsible for reporting of a fire should it occurs.

4. Some concerns related to erosion and sediment control:
 - i. The construction (re-grading landfill final cover and installing berms) of this firing range may disturb land over one-acre in size. The erosion and sediment control plan is required (either modifying the existing one or preparing a new site-specific one) and approved by the NC land Quality Section. Please provide a copy of the approval letter issued by the land quality Section.
 - ii. Will the backstop berms be vegetated upon completion of construction?
 - iii. Routine maintenance of vegetation cover including mowing grass and using fertilizer must be addressed in the plan.

By the way, do you have a tentative schedule for the submittal of the final permit application for the site? I expect to wrap up seven landfill applications at the end of this year including Scotland County CDLF (83-01) & Sampson County Landfill (82-02) – both prepared by S+G, so your input will help me to manage/prioritize my work load. Thanks.

Ming Chao

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