

**WYETH PHARMACEUTICALS FACILITY  
PEARL RIVER, NEW YORK  
SAMPLING WORK PLAN**

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27041/Sampling Work Plan/Wyeth \_toc.doc

## **BACKGROUND**

Wyeth Holdings Corporation (Wyeth) applied for a Minor Permit Modification to more accurately define its Wyeth Pharmaceuticals facility at Pearl River, New York (formerly known as Lederle Laboratories, a division of American Cyanamid Company).

The 551 acre facility, as currently defined under the Part 373 Permit, includes an area totaling approximately 92 acres located in the north-northwest portion of the property (see enclosed Figure). This portion of the facility presently contains the Day Care Center operated for the children of Wyeth employees, the Wyeth Employees Recreational Association (WERA) fields which are reserved for employee sporting and similar activities, and vacant undeveloped land. To the south of the WERA fields, the Town of Clarkstown has proposed the construction of a detention basin to manage surface water runoff. These areas are not used, and based on available information, do not appear to have ever been used for any regulated hazardous waste management activities or solid waste management units.

No Solid Waste Management Units (SWMUs) or Areas of Concern (AOCs) were discovered on the portion of the property proposed to be excluded after an extensive search of the facility records, NYSDEC records, and other historical documents. This search was mandated by the Corrective Action Module of the RCRA Permit. The minor remaining subsurface groundwater contamination from the facility is not located beneath, nor is it moving toward, the portion of the property proposed to be excluded from the Wyeth RCRA facility.

Recent review of the aerial photographs and other historical information for these 92 acres revealed the following:

- Residential buildings were developed at the site of the Day Care Center prior to 1953.
- A series of barns and a silo was located approximately south of the present Day Care Center. These structures were demolished in late 1981.

Based upon the historical usage of the subject property, a soil surface sampling investigation will be conducted as described below.

## **RECOMMENDED SCOPE OF WORK**

### **Soil Sampling and Field Screening:**

1. Surface soil samples will be obtained at the following locations:
  - a) Two (2) at the day care center,
  - b) Two (2) at the former barns and silo location,
  - c) Two (2) at the planned surface water detention basin,
  - d) Two (2) at the recreation area, and
  - e) Two (2) duplicate samples from each of two randomly selected groups of the four (4) groups above.

The areas for the four (4) groups above are shown in figure(List of Figures). The exact locations will be determined in the field based on any field evidence that may remain from historical activities.

2. The soil samples at the first three locations will begin beneath any turf or grass root mass that exists and will extend from that location another six (6) inches deeper into the soil.
3. The soil samples at the recreation area location will begin beneath any turf or grass root mass that exists and will extend from that location another two (2) inches deeper into the soil.
4. Soil samples will be obtained with clean, unused disposable spoons or spatulas.
5. Soil samples will be placed in new, clean glass jars with Teflon caps. The jars will be labeled securely with the sampling date, site name, and a unique identifying number.
6. Chain of custody forms will be filled out with sampling date, sampling time, site name, and a unique identifying number, sampler's name, and requested analyses.
7. Sample jars will be placed in a cooler with sealed cooling packs. The cooler will be sealed with tape to prevent unnecessary opening prior to receipt at the laboratory.
8. Field observations will be recorded by the sampler of the soil characteristics, odors, staining, and any observations that may be relevant to the historical development of the sampled area.
9. The laboratory Confirmation Sample Analysis Reporting Level will be the Category B Deliverables specified in the NYSDEC Analytical Services Protocol (ASP), dated June 2000, for all data.

#### Laboratory Analysis:

10. Every sample placed in a jar will be analyzed for RCRA Pesticides and RCRA Metals (Arsenic, Barium, Cadmium, Chromium, Lead, Mercury, Selenium, and Silver).
11. All laboratory analytical results will be obtained with a four (4) day turnaround time.
12. A letter report will be prepared containing all the data and associated QA/QC documentation. Four (4) hard copies and four (4) digital Compact Discs will be submitted to Wyeth within eight (8) business days of the receipt of the samples by the laboratory.

#### **HEALTH AND SAFETY**

Historical information accumulated indicates that there are no known releases of hazardous substances or petroleum on this portion of Wyeth's property. Also, no permitted activities are conducted on these parcels. Therefore, a site specific Health and Safety Plan (HASP) has not been prepared as part of this effort, as STERLING has enclosed a generic HASP to this Sampling Work Plan (see Appendix A) that is typically used to sample sites without reported or documented contamination.

Similarly, as a limited number of surface soil samples are being collected, there is no dust generation or emissions to be created. Therefore, the HASP does not need to contain a Community Air Monitoring Plan (CAMP).

## FIGURES



SCALE: 1"=200'

## APPENDICES