

# NEW PROJECT REQUEST FORM ES&H PROJECTS

For Data Reference Use Only

a. Facility Code \_\_\_\_\_

b. ADS Number AA2D0073

**Activity Data Sheet (ADS) Identification Section**

3. ADS Title: \_\_\_\_\_ Building 1005R Sump Pipe Rerouting \_\_\_\_\_

3a. ADS Area: (Select 1 only)       ES&H       Equally ES&H and Infrastructure or Program

4. Data Sheet Status Code: (Select 1 only)  Open     Closed     Hold     Discontinued     Void

|   |                                    |
|---|------------------------------------|
| 13. Contractor Division <u>C-A Department</u> | 17. DOE Manager <u>P. Kelley</u>   |
| 14. Contr. Department <u>C-A Department</u>   | 18. DOE Phone <u>631-344-5784</u>  |
| 15. Contractor Manager <u>T. Nicoletti</u>    | Champion Email                     |
| 16. Contractor Phone <u>344 - 3961</u>        | <u>tonyn@bnl.gov</u>               |
|   | Champion Pager <u>631-453-5885</u> |

**ES&H ADS Functional Areas**

20. ES&H Functional Area Breakdown    (Attach additional pages if necessary)

See Web Site: <http://epweb.pe.bnl.gov/infrastructure/projects/projects.htm> for listing

| Functional Area | Sub-Area | % Total Cost |
|-----------------|----------|--------------|
| CW              | 05       | 100          |
|                 |          |              |
|                 |          |              |
|                 |          |              |

Percentage of costs attributable to:                      21. Training: \_\_\_\_\_                      22. Maintenance

**ADS Type Section**

23. ADS Type: (Select 1 only)       Core                       Compliance                       Improvement

24. Drivers                      (Attach additional pages as necessary)

See Web Site: <http://epweb.pe.bnl.gov/infrastructure/projects/projects.htm> for listing

| Driver Type | Driver Code | Primary?<br>(Just one) | Driver Title |
|-------------|-------------|------------------------|--------------|
| REG         | OTH         | X                      | Other        |
|             |             |                        |              |
|             |             |                        |              |

25. Compliance Comments                      (Attach additional pages as necessary)

Other regulation is Suffolk County Article 12 (not in list)

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**26. ADS Description/Objective** (Attach additional pages as necessary)

Provide a description of the activity. Include sufficient detail to allow a reader not previously knowledgeable of the activity to understand the activity's scope and what it is intended to accomplish.

This project will reroute the building 1005R sump drainage from the catch basin outside of 1005R to the sanitary sewer line located in the mechanical equipment room in 1005S (or to tee into this line on the outside rear of 1005S). The current 1005R sump pump is automatic start but must be alarmed and have a manual cutout/local disconnect installed. This should be included in the estimate. Currently this sump is pumped to the catch basin outside and north of the building. The input to this catch basin includes the sump, 1005S storm drains and a cooling water filter that is, on average, back-flushed every day and results in approximately a 5 gallon purge. BNL ESD agreed that the storm drains will remain connected to the catch basin line and requires the C-A Cryogenics group to pipe the water system filter back-flush line to release into the sump. The objective of these changes is to prevent a release of heat transfer fluid to the ground/groundwater that would not be prevented under the current configuration. With the proposed change the sump discharge would go to sanitary (a monitored area) and could be diverted should the need arise.

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**27. ADS Appraisal/Justification** (Attach additional pages as necessary)

Describe the risks/impact of not implementing or not continuing this activity and opportunities related to this activity. Discuss risks/benefits, if applicable, for Public Safety & Health, Site Personnel Safety & Health, Compliance, Mission Impact, Cost-effective Risk Management, and Environmental Impact. Describe any other significant impacts or considerations (e.g., cost avoidances, payback periods, etc.)

Benefit

Compliance with Suffolk County Article 12.

Prevent soil or groundwater contamination following a release of UCON 170X lubricant in Building 1005R.

Risk/Vulnerability

- 1) Non-compliance to Suffolk County Article 12.
- 2) Potential for a release to the groundwater.
- 3) Loss of trust of public/regulators if a spill occurs which contaminates groundwater.

Mitigating Actions

Operators monitor 1005R system status while operating.

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37. Resource Structure Code (RSC): *(Check One)*

- |     |  |   |     |        |                                      |
|-----|--|---|-----|--------|--------------------------------------|
| ___ | LIN  | Line Item - Infrastructure                                    | ___ | GPP/LL | GPP - Landlord (Site GPP Fund)       |
| ___ | LIE  | Line Item - ES&H  | ___ | GPP/KA | GPP - High Energy Physics Specific   |
| ___ | AIP/KA   | AIP - High Energy Physics Specific                            | ___ | GPP/KB | GPP - Nuclear Physics Specific       |
| ___ | AIP/KB   | AIP - Nuclear Physics Specific                                | ___ | GPP/KC | GPP - Basic Energy Sciences Specific |
| ___ | AIP/KC   | AIP - BES Specific (Former ARAM)                              | ___ | GPP/KP | GPP - OBER Specific                  |
| ___ | OPER   | Operating Funds - Special Maintenance or ES&H Program Support |     |        |                                      |
| ___ | OPER/XX Department / Division Operating Funds ( xx - 2 Digit Dept / Div. Code) |   |     |        |                                      |

**(Note: If the ADS is funded from an allocable cost pool, provide B&R makeup.)**

42. Activity Cost Estimate (x \$1,000)

43. FTE Requirements

For departmental funded projects indicate cost expectations by FY. For all other projects place project total cost in the unfunded field.

|                               | Estimated Implementation Costs in \$1,000 |                        |                        |                             | % ESH | FTEs (to two decimals)  |         |
|-------------------------------|---|------------------------|------------------------|-----------------------------|-------|-------------------------|---------|
|                               | Fiscal Year                               | Operating Expense (OE) | Capital Equipment (CE) | General Plant Project (GPP) |       | Line Item Project (LIP) | Federal |
| Prior Year (PY) <u>1999</u>   |   |                        |                        |                             |       |                         |         |
| Current Year (CY) <u>2000</u> |   |                        |                        |                             |       |                         |         |
| Budget Year (BY) <u>2001</u>  |   |                        |                        |                             |       |                         |         |
| BY + 1 <u>2002</u>            |   |                        |                        |                             |       |                         |         |
| BY + 2 <u>2003</u>            |   |                        |                        |                             |       |                         |         |
| BY + 3 <u>2004</u>            |   |                        |                        |                             |       |                         |         |
| BY + 4 <u>2005</u>            |   |                        |                        |                             |       |                         |         |
| Unfunded* <u>2006</u>         |   |                        |                        |                             |       |                         |         |

\* For Compliance activities with costs beyond BY + 4, enter total estimated cost to complete in the Unfunded row.

45. Cost Estimate Notes: (Provide information on estimate, source and date of estimate, if from an ILR give number, and whether or not engineering, project management, contingency and burden is included. )

Cost estimate is based on ILR/Work Order # EPP0000429. Estimate requested by 08/30/02. Estimate received 9/16/02 in the amount of \$82,999.00. This includes burden & 15% contingency.

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## Minimum Required Information for ESH Activity Data Sheets

The fields which have not been redlined on the ADS above are mandatory fields which must be completed following the instructions below. If information is known and you wish to utilize a redlined field, please input your data for transcription to the main database.

3. Provide a concise and descriptive project title.
- 3a. Indicate that this is an ESH ADS
13. Provide two letter Department/Division Code.
15. Provide name of the project champion for the activity.
16. Phone number of project champion.
17. Provide name of DOE-BHG counterpart manager for the activity.
18. Phone number of DOE-BHG counterpart.
20. Functional area addressed and percentage of each if more than one (i.e. radiation protection, industrial safety, environmental protection, etc.). Please note that percentages of functional areas addressed must equal 100%.
23. Indicate ADS type (Core, Compliance, Improvement, Other).
24. If compliance is chosen, a regulatory driver or DOE Order must be provided. If choice is not available in the draw down list, select other and provide specific driver in #25.
25. If compliance, discuss nature of current non-compliance briefly.
26. This section should be introduced by a summary of the proposed action and the issue being addressed not to exceed six typed lines. The summary should then be followed by a detailed description of the proposed activity and the issues to be addressed.
27. This section should be introduced by bullets which succinctly discuss the benefits of completing the proposed activity. This should also not exceed six typed lines. Following the bullets should be a discussion of the current risks, how the proposal will alleviate the risk and a separate discussion of ways that the risk will be mitigated until the proposal is funded, provided mitigative measures can be employed.
37. Provide the anticipated funding source for this activity from the table provided.
44. Insert into the table the anticipated costs associated with the project and the appropriate column related to where funding would be anticipated from. Program funded activities

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(i.e. KA, KB, KC) should be placed into the GPP column. All operating funded activities including department/division supported and special maintenance activities should be placed in the OE column. Any project that is currently unfunded pending a decision to be made outside of your organization should be placed in the year 2005 at this time.

45. A statement or supporting information should be provided on how the estimate was arrived at. It should also be indicated as to whether the activity could be phase funded over two or more years or if circumstances require completion within the same fiscal year.