

U.S. Department of Energy Categorical Exclusion Determination Form



Program of Field Office: Sandia Site Office

Project Title: Genetic Engineering of Cyanobacteria as Biodiesel Feedstock (Bldg. 897, IMRL)

Location: Sandia National Laboratories - New Mexico

Proposed	Action	or Pro	iect De	scription:

American Recovery and Reinvestment Act: \(\Gamma\)

Sandia National Laboratorics/New Mexico (SNL/NM) proposes research to develop an engineered cyanobacterial strain for the production of a biodiesel feedstock.

Facility Operations	Site Characterization, Monitoring and General Research
☐ B1.1 - Rate increases < inflation (not power marketing)	B3.1 - Site characterization/environmental monitoring
☐ B1.2 - Training exercises and simulation	B3.2 - Aviation activities for survey/monitoring/security
☐ B1.3 - Routine maintenance and custodial services	B3.3 - Research related to conservation of fish and wildlife
☐ B1.4 - Air conditioning installation for existing equipment	B3.4 - Transport packaging tests for radioactive/hazardous material
☐ B1.5 - Cooling water system improvements in existing structures	B3.5 - Tank car tests
☐ B1.6 - Installation of runoff/spill control retention tanks and basins	☐ B3.6 - Siting/construction/operation/decomm of facilities for R&D,
□ B1.7 - Communication system and data processing equipment acquisition,	conventional laboratory operations and pilot projects
installation, operation, removal	☐ B3.7 - New infill exploratory, experimental oil/gas/geothermal
B1.8 - Screened water intake/outflow structure mods, within permits	construction/operation
B1.9 - Placing airway safety markings and painting on existing power lines and antennas	B3.8 - Outdoor ecological/environmental research in small area
B1.10 - Routine onsite storage of activated material at existing facility	☐ B3.9 - Certain CCT demonstration activities, emissions unchanged
B1.11 - Fence installation, no adverse effect on wildlife or water flow	☐ B3.10 - Siting/construction/operation/decommissioning of particle accelerators
B1.12 - Detonation/burning of failed/damaged high explosives or propellants	☐ B3.11 - Outdoor tests, experiments on materials and equipment components,
in designated areas, within permits	no source, special nuclear, or by-product materials
B1.13 - On-site pathway or short access road construction/acquisition	■ B3.12 - Siting/construction/operation/decommission of microbiological or
B1.14 - Refueling of a nuclear reactor	biomedical facilities B3.13 - Magnetic fusion experiments, no tritium fuel use
☐ B1.15 - Support building or structure, non-waste storage, const/oper	B3.13 - Magnetic Tusion experiments, no tritium fuel use
B1.16 - Removal of asbestos in accordance with regulations	Conservation, Fossil, and Renewable Energy Activities
B1.17 - Removal of PCB items from aboveground structures	B5.1 - Actions to conserve energy, no indoor air quality degradation
☐ B1.18 - Water supply well const/oper, from existing field, no degradation ☐ B1.19 - Siting/construction/operation of microwave/radio communication towers	
B1.19 - String/construction/operation of microwave/radio communication towers	changes, or air emission effects
B1.20 - Protect/restote/improve rish and whether habitat	B5.3 - Modification (not expansion)/abandonment of oil storage
☐ B1.22 - Building relocation to developed area/demolition/disposal	access/ brine injection/gas/geothermal wells; no site closure
B1.23 - Demolition/disposal of buildings, equipment, and structures	B5.4 - Repair/replacement of pipeline sections within maintenance
B1.24 - Transfer, disposition, or acquisition of uncontaminated structures	provisions of a Section 404 permit
or equipment, environmental quality maintained	☐ B5.5 - Short crude oil/gas/steam/geothermal pipeline const/oper
☐ B1.25 - Transfer, disposition, or acquisition of uncontaminated land for	within a single industrial complex/existing right-of-way
habitat preservation/wildlife management	☐ B5.6 - Oil spill cleanup operations
☐ B1.26 - Siting/construction/operation/decommissioning of small water	Environmental Restoration/Waste Management Activities
treatment facilities	
☐ B1.27 - Disconnection of utilities	B6.1 - Cleanup actions: small-scale, short-term
☐ B1.28 - Placement of unused facilities in environmentally safe condition	☐ B6.2 - Siting/construction/operation of temporary pilot-scale waste collection/treatment/stabilization/containment facilities
☐ B1.29 - Small on-site const/demolition waste disposal facility const/oper/decom	B6.3 - Environmental control system improvements in existing
☐ B1.30 - Transfer/transportation actions, quantities incidental to amounts	structures, recycle/release/disposal within permitted facility
at receiving site B1.31 - Relocation/operation of machinery or equipment, similar use	☐ B6.4 - Packaged hazardous waste storage facility const/oper/decom
[14] [14] [15] [15] [15] [15] [15] [15] [15] [15	☐ B6.5 - Const/oper/decom of on-site facility for characterizing/sorting
☐ B1.32 - Traffic flow adjustments, existing roads.	or over packing previously packaged waste (not high-level or spent
Safety and Health	nuclear fuel; no unpacking)
B2.1 - Modifications to enhance workplace habitability	☐ B6.6 - Modification of facility for storing, packaging, or repacking waste (not high-level or spent nuclear fuel)
B2.2 - Installation/improvement of building/equipment instrumentation	
B2.3 - Installation of equipment for personnel safety and health	☐ B6.7 - Granting/denying petitions for allocation of commercial disposal capacity ☐ B6.8 - Minor operational changes to minimize waste or reuse materials
B2.4 - Equipment Qualifications Program	☐ B6.9 - Small-scale, temporary measures to reduce contaminated GW migration
B2.5 - Facility safety and environmental improvements, replacement	B6.10 - Siting/construction/operation/decommissioning of small upgraded
or of facility components	or replacement waste storage facilities
☐ B2.6 - Packaging/transportation/storage of radioactive sources	Other
from public domain upon request	Specify category:

This action would not (1) violate applicable ES&H requirements, (2) require siting of waste Treatment, Storage, Disposal or Recovery facilities, (3) disturb hazardous substances (excluding naturally occurring petroleum and natural gas), thus producing uncontrolled or unpermitted releases, and (4) adversely affect environmentally sensitive resources. Furthermore, this action (1) would not present any extraordinary circumstances such that the action might have a significant impact upon the human environment, (2) is not connected to other actions with potentially significant impacts, and (3) is not related to other actions with cumulatively significant impacts. Therefore, the proposed action may be categorically excluded from further review.

Date Determined: 03/09/2010

NEPA Compliance Officer or Program Officer: LACY, SUSAN

Comments:

^{*-}For a Detailed Listing of DOE's Appendix A/B Subpart D of 1021: Click Here