

NEPA REVIEW SCREENING FORM
for Actions Included in CXs

Document ID #:
DOE/CX-00169

I. Project Title:

Recreational Bike Ride Around the Manhattan Project National Historical Park's (MAPR) B Reactor Sponsored by Bike Tri-Cities and REI.

II. Describe the proposed action, including: location, time period over which proposed action will occur, project dimension (e.g., acres displaced/disturbed, excavation length/depth), area/location/number of buildings. Attach maps and drawings, as applicable. Describe existing environmental conditions and potential for environmental impacts from the proposed action. If the proposed action is not a project, describe the action or plan.

The Department of Energy (DOE) National Park Program proposes to enable a controlled public bike ride organized by two community organizations for up to 150 registered participants aged 18 years or older. Bike Tri-Cities will sponsor the bike ride, the route for which includes portions of the Manhattan Project National Historical Park's (MAPR) Hanford Unit. Recreational Equipment, Inc. (REI) will sponsor lunch and a program for the participants following the ride. The National Park Service is also a sponsor of the event. The event would be conducted in accordance with a "Special Use Permit" that will be maintained on file.

Participants would check in at the MAPR Interim Visitor Center to have their registration verified by Mission Support Alliance (MSA) staff from the B Reactor Project. Participants would sign an accountability log and receive a map, directions, and event card for the dashboard of their car. Participants would be reminded that they may not leave paved/graveled roadways designated for the bike ride (see Attachment 1) and may not litter. Participants would drive north on public highway 240/24 and enter the Hanford Site at Gate 127. Consistent with the Security and Emergency Preparedness Plan for the event (see Attachment 2), Gate 127 would be left in the "open" position until all registered participants are through the gate. DOE, MSA, or MSA subcontract employees would staff the gate and wave through cars with the event card on the dashboard. Drivers would proceed to B Reactor, where they would park in the B Reactor yard with assistance from B Reactor staff. Prior to the ride starting, participants would again be reminded not to leave the designated paved/graveled roadways during the ride and to follow the instructions of blue-shirted B Reactor staff or other badged Hanford employees in the event of a site emergency.

The bike route comprises three optional legs as follows (see Attachment 1). Riders may opt to ride around Biggam Loop Road for a second time. This would lengthen the ride, but would not change the route. The DOE reserves the right to change the bike route, if needed, and would communicate changes to event organizers and participants prior to the event.

LEG 1 - RED ROUTE

- Start at B Reactor
- Turn north on Beaver Avenue
- Turn west on B Avenue
- Turn north on Route 6
- Follow Route 6 as it curves west towards Gate 127
- Turn around at Gate 127 and ride east on Route 6 as it curves south
- Turn east on B Avenue
- Turn south on Beaver Avenue and return to B Reactor

LEG 2 - YELLOW ROUTE

- Follow the RED route
- After turning south on Beaver Avenue DO NOT return to B Reactor
- Continue south on Beaver Avenue
- Turn west on Biggam Loop Road
- Follow Biggam Loop Road as it turns north
- Turn east on B Avenue
- Turn south on Beaver Avenue and return to B Reactor

LEG 3 - BLUE ROUTE

- Follow the YELLOW route
- After turning east on B Avenue DO NOT turn south on Beaver Avenue to return to B Reactor
- Continue east on B Avenue turning south on Biggam Loop Road

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- Following Biggam Loop Road as it turns west
- Turn north on Beaver Avenue and return to B Reactor

Participants must register in advance, and would be required to sign a DOE liability waiver (see Attachment 3). The event is a ride, not a race, and riders are expected to finish in 45-90 minutes; riders who do the second loop would take longer, but all riders are expected to be off the course in about two hours. MSA would use temporary gates or cones to block roads not in use for the ride, and would stage badged staff (B Reactor staff and employee volunteers) at various points on the route to ensure riders stay on the route, and that requirements are met for accountability and security/emergency preparedness. The Hanford Fire Department has been notified and would be first responders in the event of an injury or medical incident. REI would provide assistance to participants who encounter bike problems during the ride. Bike Tri-Cities would be responsible for providing to riders any minor first aid required. The B Reactor building warden would provide any minor first aid required by Hanford employees.

The proposed roads are paved, except for a stretch of gravel on Route 6. The roads are in varying condition and have not been improved for the event. The condition of the roads is reflected on the event website and in the registration information and DOE liability waiver. Route 6 is used primarily for tour buses and other vehicles headed to and from MAPR facilities, including the B Reactor National Historic Landmark (about 500 B Reactor tours per year) and several of the Park's pre-war facilities (about 150 pre-war tours per year). B Reactor public tours have been using Route 6 since 2009; the pre-war tours since 2015. The identified portions of Biggam Loop Road and Beaver Avenue were constructed and used heavily as part of Hanford production. They were also used extensively during 20 years of Hanford cleanup operations by heavy trucks, trailers, and various other government vehicles starting in the mid-90s.

DOE National Environmental Policy Act (NEPA) implementing procedures found at 10 CFR 1021, Subpart D, Appendix B, B1.13, contains provisions for categorically excluding from further NEPA review classes of actions involving "Pathways, Short Access Roads, and Rail Lines" and states:

"Construction, acquisition, and relocation, consistent with applicable right-of-way conditions and approved land use or transportation improvement plans, of pedestrian walkways and trails, bicycle paths, small outdoor fitness areas, and short access roads and rail lines (such as branch and spur lines)."

The proposed use of Hanford roadways for the bike event would result in less potential for environmental impacts than those described in 10 CFR 1021, Subpart D, Appendix B, B1.13. Limited and controlled public access is consistent with resource conservation, recreation, and preservation land-use designations in the Hanford Comprehensive Land-Use Plan Environmental Impact Statement (HCP-EIS) (DOE/EIS-0222-F) and associated Record of Decision (ROD). Furthermore, Section 6.3.1 of the HCP-EIS, Overall Policy #6 states:

"Allow access [to Hanford] for other uses (e.g., recreation) outside of active waste management areas, consistent with the land-use designation."

In order to apply categorical exclusions to proposed actions, DOE must determine that the conditions (10 CFR 1021.410) and integral elements (10 CFR 1021, Subpart D, Appendix B) are met. Pursuant to these requirements, DOE performed a National Historic Preservation Act (NHPA) cultural/historic resources review and determined that the B Reactor bike ride is an undertaking; however, it does not have the potential to cause effects on historic properties (see Attachment 4). An ecological resources review was determined to not be required because the bike ride occurs outside the active bird nesting season and riders would be required to stay on designated paved/graveled roadways.

This is an Activity-Specific CX and only applies to the October 7, 2017 B Reactor bike ride. Any future requests for bike rides on the Hanford Site must be evaluated at that time.

This review is based on the proposed action description provided by the DOE National Park Program,

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the bike ride map and Security/Emergency Preparedness Plan provided by MSA, coordination with DOE subject matter experts, the HCP-EIS (DOE/EIS-0222-F), and classes of actions listed in 10 CFR 1021, Subpart D, Appendix B that can be categorically excluded from preparing NEPA Environmental Assessments or Environmental Impact Statements.

III. Applicable Reviews (attach to NRSF):

Biological Review Report #: Not required. Bikes would remain on designated paved/graveled roadways.

Cultural Review Report #: HCRC #2017-100-009

Additional Attachments:

- ATTACHMENT 1 - Bike Ride Map
- ATTACHMENT 2 - Event Security and Emergency Preparedness Plan
- ATTACHMENT 3 - DOE Waiver of Liability
- ATTACHMENT 4 - NHPA Regulations 36 CFR 800 Protection of Historic Properties

IV: Existing Documentation:

Are the impacts of the proposed action evaluated in a previous EA, EIS, or CERCLA document? Yes No

If "YES", use Site Form A-6006-948, *Actions Adequately Evaluated in NEPA or CERCLA Document*

V. Categorical Exclusion:

Does the proposed action fall within a category of actions that is listed in Appendixes A or B to Subpart D of 10 CFR 1021? If extraordinary circumstances or integral elements would preclude the use of a CX, check "No". Yes No

Are there extraordinary circumstances related to the proposal that may affect the significance of the environmental effects of the proposal? Yes No

Is the proposal connected to other actions with potentially significant impacts or result in cumulatively significant impacts (not precluded by 40 CFR 1506.1 or 10 CFR 1021.211)? Yes No

List CX to be applied and complete Categorical Exclusion Integral Elements (where an action might fit within multiple CXs, use the CX that best fits the proposed action):

10 CFR 1021, Subpart D, Appendix B, B1.13, "Pathways, Short Access Roads, and Rail Lines"

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Categorical Exclusion Integral Elements:

Would the proposed action threaten a violation of applicable statutory, regulatory, or permit requirements for environmental, safety, or health, including DOE and/or Executive Orders?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Would the proposed action require siting, construction, or major expansion of waste storage, disposal, recovery, or treatment facilities?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Would the proposed action disturb hazardous substances, pollutants, contaminants, or CERCLA-excluded petroleum and natural gas products that pre-exist in the environment such that there would be uncontrolled or unpermitted releases?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Would the proposed action adversely affect environmentally sensitive resources?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Would the proposed action involve genetically engineered organisms, synthetic biology, governmentally designated noxious weeds, or invasive species such that the action is not contained or confined in a manner designed, operated, and conducted in accordance with applicable requirements to prevent unauthorized release into the environment?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

If "NO" to all Integral Elements questions above, complete Section VI, and provide NRSF to DOE NCO for review.
If "YES" to any of the Categorical Exclusion Integral Elements questions above, contact DOE NCO for additional NEPA Review.

VI. Responsible Contractor Signatures:

Initiator:

Colleen French, Manager, MAPR-Hanford
Name *Print*

Colleen C French
Signature

10/2/17
Date

Cognizant Environmental Compliance Officer:

Jerry Cammann, MSA NEPA-SME
Name *Print*

Jerry W. Cammann
Signature

9/28/17
Date

VII. DOE Approval/Determination

DOE NEPA Compliance Officer: Marla K. Marvin, DOE-RL Office of Chief Counsel (DOE-NCO)

Based on my review of information conveyed to me and in my possession (or attached) concerning the proposed action, as NEPA Compliance Officer (as authorized under DOE Order 461.1B), the proposed action fits within the specified class of action:

NCO Determination: CX *NCO Recommendation: EA EIS

Marla K Marvin
Signature

9/28/17
Date

*NRSF A-6006-950 would be completed by responsible contractor

ATTACHMENTS

Attachment 1 – Bike Ride Map




Attachment 2 – Event Security/Emergency Preparedness Plan (MSA-1704126.1)

Attachment 3 – Department of Energy (DOE) Waiver of Liability

**Attachment 4 – Cultural Resources Review - National Historic Preservation Act (NHPA)
Regulation 36 CFR 800 Protection of Historic Properties**

ATTACHMENT 1 - BIKE RIDE MAP



-  Leg 1 - B Reactor to Beaver Ave. to B Ave. to Route 6
-  Leg 2 – Route 6 to B Ave. to Biggam Loop Road to B Ave.
-  Leg 3 – B Ave. to Biggam Loop Road to Beaver Ave. to B Reactor

ATTACHMENT 2 - SECURITY/EMERGENCY PREPAREDNESS PLAN

Mission Support Alliance
Post Office Box 650
Richland, Washington 99352



September 6, 2017

MSA-1704126.1
CONTRACT NO. DE-AC06-09RL14728

Mr. Timothy E. Corbett, Contracting Officer
U.S. Department of Energy
Richland Operations Office
Procurement Division
Post Office Box 550
Richland, Washington 99352

Dear Mr. Corbett:

**RL APPROVE – UPDATED SECURITY PLAN FOR MID-COLUMBIA
MASTERSINGERS PERFORMANCES AND BIKE RIDE AT MANHATTAN PROJECT
NATIONAL HISTORICAL PARK, HANFORD UNIT’S B REACTOR**

- References:
1. Email, C. C. French, RL, to K. D. Christensen and J. A. Jahner, MSA, “Time Sensitive: Security Plan for MCM Concerts and Community Bike Ride at National Park,” 1704261, dated September 5, 2017.
 2. Letter, J. A. Jahner, MSA, to T. E. Corbett, RL, “RL Approve – Security Plan for Mid-Columbia Mastersingers Performances and Bike Ride At Manhattan Project National Historical Park, Hanford Unit’s B Reactor,” MSA-1704126, dated August 31, 2017.
 3. Email, T. E. Corbett, RL, to J. A. Jahner, MSA “RE: Mastersingers at B Reactor,” 1704092, dated August 28, 2017.

This letter transmits for RL approval, an updated security plan in support of Mid-Columbia Mastersingers performances to be held at the Manhattan Project National Historical Park, Hanford Unit’s B Reactor, on September 8, 9 and 10, 2017, and a 13-mile bike ride which will begin and end at the B Reactor on October 7, 2017. This letter supersedes letter Reference 2, as MSA has updated the Plan as a result of comments received (Reference 1). For convenience, (Attachment 1) is a red line track changes version to easily identify the changes and Attachment 2 is the updated version with changes incorporated.

MSA understands these activities are community-sponsored events with local entities supporting and funding the activities. It is understood that RL will allow consumption of alcoholic beverages at the Mid-Columbia Mastersingers concerts on September 8 and 9, 2017, and that attendance will be restricted to individuals 21 years of age and older on these dates. While beverages will be controlled by the beverage vendor, MSA Safeguards and Security requires Contracting Officer direction that allows for the transportation and consumption of alcohol on the Hanford reservation. While RL has authority to authorize consumption of alcoholic beverages on DOE-owned property, MSA will not accept any responsibility for any event directly related to alcohol consumption which under normal circumstances is prohibited under the MSC.

Mr. Timothy E. Corbett
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Additionally, RL has also authorized a 13-mile bike ride at the B Reactor and the immediate vicinity as reflected in the attached security plan. MSA will not accept any responsibility for any event directly related to allowing the public to ride bicycles on the Hanford Site.

Technical questions should be directed to Craig Walton at 376-4015, and contractual questions should be directed to me at 376-5052.

Sincerely,

Jennifer A. Jahner, Director
Contracts

maa

Attachment 2

RL – K. C. Barott-Wolff
L. D. Beitz
C. C. French
J. A. Frey
T. J. Haddick
C. A. Low
K. L. Snell

Electronically Approved by:

Jennifer A. Jahner

UserName: Jahner, Jennifer (h1274090)

Title: Director of Contracts

Date: Wednesday, 06 September 2017, 05:02 PM Pacific Time

Meaning: Sign as Jennifer A. Jahner

=====

MSA-1704126.1
CONTRACT NO. DE-AC06-09RL14728

ATTACHMENT 2

**UPDATED B-REACTOR NATIONAL HISTORIC LANDMARK
MID-COLUMBIA MASTERSINGERS PERFORMANCES AND
COMMUNITY BIKE RIDE SECURITY PLAN**

Consisting of 8 pages,
including this cover page

SAFEGUARDS AND SECURITY
B REACTOR NATIONAL HISTORIC LANDMARK
MID-COLUMBIA MASTERSINGERS PERFORMANCES AND
COMMUNITY BIKE RIDE
SECURITY PLAN

PURPOSE

This Security Plan documents the security requirements which will be implemented to support public access to the Manhattan Project National Historical Park, Hanford Unit's B Reactor, a National Historic Landmark, for Mid-Columbia Mastersingers concerts on September 8, 9 and 10, 2017, and a community bike ride which will begin and end at the B Reactor on October 7, 2017.

These activities are open to the general public (US citizens and foreign nationals) who have pre-registered and purchased a ticket for the activity. As alcohol will be served at the September 8 and 9, 2017, concerts, participants for these events must be a minimum 21 years of age. No alcohol will be served at the concert on September 10, 2017; this event will be open to all ages.

ACTIVITY SCHEDULE

September 8, 2017	Mid-Columbia Mastersingers Concert	7:30 pm – 10:30 pm
September 9, 2017	Mid-Columbia Mastersingers Concert	7:30 pm – 10:30 pm
September 10, 2017	Mid-Columbia Mastersingers Concert	3:00 pm – 6:00 pm
October 7, 2017	Bike Ride	8:00 am – 1:00 pm

ACCESS CONTROL

Mid-Columbia Mastersingers

Participants for the Mid-Columbia Mastersingers concerts will meet at the National Park Interim Visitor Center, 2000 Logston Boulevard, Richland, WA, where they will board commercial buses, accommodating approximately 50 people each. A participant roster will be maintained for accountability purposes. Buses will enter and exit the B Reactor via Gate 127 adjacent to SR 24. Participants will be under escort by B Reactor project personnel.

Vendors supplying alcohol, food, tents and chairs will be badged for Site access and escorted at all times while on Site. The escort(s) assigned to the alcohol vendors will be in possession of a *Prohibited/Controlled Article Pass*.

Bike Ride

Participants for the bike ride will travel in their personal vehicles via Gate 127 to the B Reactor. Participation is limited to 150 riders; a participant roster will be maintained for accountability purposes. To ensure participant safety, a check in barricade will be located a short distance inside of Gate 127 to preclude private vehicles backing up onto SR24 during the check in process.

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Orange cones will be placed along Rt. 6 by B Reactor personnel to ensure participants stay on the designated route for the bike ride which will cover a total of 13 miles of road as follows (see attached map):

- 1) Start at B Reactor, travel north on Beaver Road, turn west on B Avenue and north on Route 6. Follow Route 6 as it curves west towards Gate 127.
- 2) Turn around at Gate 127 and ride east on Route 6, and continue east on B Avenue.
- 3) Turn south on Beaver Road on west side of B Reactor.
- 4) Turn west at Biggam Loop Road and continue as the road bends north.
- 5) Turn east at B Avenue.
- 6) Turn south at Biggam Loop Road and continue as the road bends west.
- 7) Turn north on Beaver Avenue and enter the B Reactor yard to complete the ride.

Note: Riders may opt to ride around Biggam Loop Road for a second time. This would lengthen the ride, but would not change the route.

For the duration of the bike ride, the existing B Reactor Public Access Area, which does not require security badges, will be expanded to include Biggam Loop Road, Beaver Road and portions of B Avenue.

Gate 127 will be pinned shut by B Reactor personnel in its normal tour day configuration after entry of all bike ride participants. A lunch will be provided by the event sponsor for participants at the B Reactor upon conclusion of the bike ride. Upon conclusion of the lunch, B Reactor personnel will open Gate 127 allowing all participants to exit.

Note: Two (2) B Reactor tours and one (1) Pre-Manhattan Project Historical Sites tour are scheduled to take place during the time period of the bike ride. To prevent bicycle/tour bus conflicts on Rt.6, these tours will deviate from their normal routes and enter and exit the Site at the Wye Barricade.

B Reactor Tour

B Reactor tour bus drivers will be badged and will travel to the B Reactor via Rt. 2 north to Rt. 1, then east to Rt. 6 and will exit the Site via the same route.

Pre-Manhattan Project Historical Tour

The Pre-Manhattan tour bus driver will be badged and will travel to the old Hanford High School, ferry landing and White Bluffs Bank via Rt. 2 and will exit the Site via the same route. The normal stops at the Allard Pump House and Bruggeman Warehouse will be excluded from the

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tour. If the bicycle tour has concluded and the participants have left the Site, the Pre-Manhattan tour bus will be allowed to complete the tour and visit the Allard Pump House and the Bruggeman Warehouse and exit the Site via Gate 127. B Reactor project staff will remain in contact with bus docents to ensure smooth operation and timely decision-making.

VENDOR ACCESS

Vendors providing services for all activities will be escorted by B Reactor personnel and enter the Site via Gate 127.

TRAFFIC CONTROL

MSA will have no responsibility for control of vehicle traffic turning from SR 24 into Gate 127, nor for vehicles entering SR 24 from Gate 127 following the event.

PROHIBITED/CONTROLLED ARTICLES

All vehicles and hand-carried items are subject to search at any time while on the Hanford Site.

The following items are prohibited anywhere on the Hanford Site:

- Dangerous weapons
- Ammunition
- Explosives
- Incendiary devices
- Alcohol (**with the exception of the RL approved use of alcohol [beer and wine] during the September 8 and 9, 2017 events.**)
- Controlled substances (e.g., illegal drugs, to include marijuana, and associated paraphernalia) *Note: Prescription drugs in their original containers are not prohibited*
- Any items prohibited by law
- Pets/animals (except service animals)

The following controlled articles **are allowed** at the B Reactor:

- Cellular telephones
- Computers and other devices able to record, read, or transmit data as standalone units (includes personal electronic devices, e.g., Palm Pilots, Apple iPods, MP3 players, etc.)
- Recording equipment (audio, video, and data)
- Cameras (still, motion-picture, video)

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ALCOHOLIC BEVERAGES

The possession, serving and consumption of alcohol is authorized for the September 8 and 9, 2017 Mid-Columbia Mastersingers concerts. Selected escorts shall be issued *Prohibited/Controlled Article Passes* authorizing possession of alcohol for delivery to, and serving at the B Reactor. *Prohibited/Controlled Article Passes* **will not** be required for the vendor and activity participants.

POSTING

Gate 127 is posted with the standard DOE No Trespassing sign and the Site approved Prohibited Article sign identifying all items which are prohibited from entering the Hanford Site; signs are posted immediately adjacent to the gate. All participants in these events shall be reminded of items prohibited on Site prior to the events.

BUS MALFUNCTIONS

In the event of a bus malfunction, the bus escort will notify the B Reactor Building Warden and request a replacement vehicle. The Hanford Patrol Operations Center will be notified on 373-3800 and advised that a replacement bus is en route and their point of entry, e.g., Gate 127. Patrol may dispatch a unit to the disabled bus to ensure the wellbeing of the occupants.

EMERGENCY PREPAREDNESS

B Reactor personnel will request emergency assistance by calling 9-1-1 from a Site telephone or 373-0911 from a cell phone. The B Reactor Building Warden should also be contacted to alert him/her to the situation.

In the unlikely event of an emergency on the Hanford Site, B Reactor personnel will receive emergency notification and direct visitors on buses, at the B Reactor and on the bike ride to take appropriate actions.

Take Cover Instructions

Emergency response procedures are very conservative and a Take Cover protective action is initiated as an automatic, precautionary measure. An emergency in the 200 West Area or 100K Area of the Hanford Site may require personnel north of the Wye barricade to take a protective action. Emergencies in other areas of the Site (i.e., 300 or 400 Areas) would not require any immediate action in the activity locations, however, visitors will be returned to the visitor center as soon as it is safe to do so.

If a Take Cover is directed for activity areas, personnel at or near B Reactor, including riders on the bike route, can take cover. Road blocks are established to keep people out of a potentially affected area. Visitors that have not yet arrived onsite will be returned to the visitor center.

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B Reactor

If a Take Cover is directed for other areas of the Hanford Site, not including B Reactor:

1. Advise visitors that no actions are required at this time.
2. Contact the Hanford Emergency Operations Center (EOC) to arrange to safely return visitors to the visitor center.

If a Take Cover is directed for the 100 Areas or “all areas north of the Wye Barricade”:

1. Direct all personnel and visitors at the B Reactor to take cover.
2. Ensure bike ride guides have received emergency notification, receive status reports from bike ride guides and report accountability or issues to the Hanford EOC.

Buses outside B Reactor Compound

When buses are used to transport visitors, escorts will be on board who will receive emergency notification and direction via cell phones. When notified of a “Take Cover” direction on the Hanford Site, bus escorts will take the following actions:

1. Direct bus driver to close vehicle ventilation (as a precaution).
2. Leave the Site by the most direct route, avoiding the area where the Take Cover is being implemented.
3. Contact the B Reactor Building Warden to report status of the situation.
4. Return to the point of departure.
5. Stay with the vehicle and call the Hanford EOC Protective Action Coordinator (373-1786, 373-3876, 376-8612, or 376-4712) for instructions before releasing the activity participants. (It will take at least 30 minutes for staff to respond to the EOC. If the call is not answered, try again later.)
 - Provide location, number of people in the group and the route taken in leaving the Hanford Site.
 - Ask the EOC Protective Action Coordinator of any special measures that should be taken before releasing participants.
6. You may contact the Public Information Director in the EOC on 376-1205 for advice in responding to questions or concerns from participants.

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Bike Ride

B Reactor personnel with vehicles will be stationed along portions of the bike ride path as described below to act as guides to assist riders if emergency assistance is needed and to direct actions if an emergency occurs at a Hanford facility. Each guide will have a cell phone to receive emergency notifications, call for assistance and report status.

If a Take Cover is directed for areas of the Hanford Site away from the bike ride route and B Reactor (e.g. limited just to 300 Area, 200 East, 200 West Areas), bike riders will be directed to return to their cars and leave the Site.

Bike Ride Guide Locations

- Gate 127
- Corners/intersections of bike ride route

Bike Ride Guide Instructions

When notified of a "Take Cover" direction for the 100 Areas or "all areas north of the Wye Barricade," implement the following:

1. Direct riders to go to B Reactor to take cover.
2. Coordinate with other guides to ensure the route is clear of riders.
3. Go to B Reactor to take cover and report status to the B Reactor Building Warden.

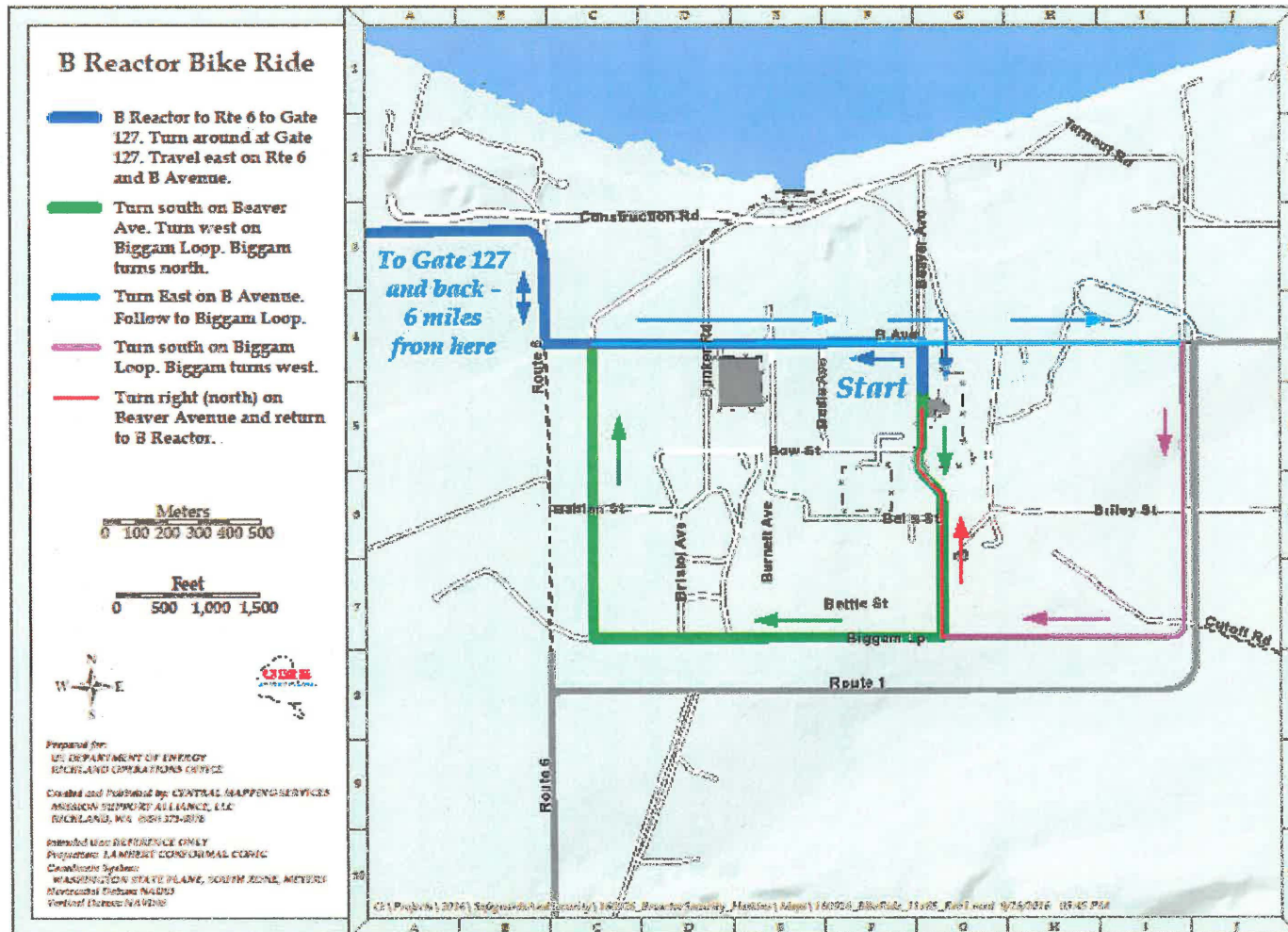
When notified of a "Take Cover" in any other area on the Hanford Site, direct riders to return to their cars and leave the Site.

Note: DOE will solicit volunteers to assist with the bike ride as needed.

Hanford Fire Department

To prevent bicycle/emergency vehicle conflicts, during the bike ride activity on October 7, 2017, Hanford Fire Department responses which would typically exit Gate 127 will be rerouted to exit the Site at the Yakima Barricade.

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ATTACHMENT 3 - DOE WAIVER OF LIABILITY

WAIVER OF LIABILITY

Description of Route: Participants will enter the secured area of the Hanford Site through Gate 127 off State Route 24, where they will have their registration confirmed and verify each participant has a bike helmet. Participants will bicycle inside the secured area of the Site, near the B Reactor. The ride will take place on a combination of old asphalt and gravel roads, without shoulders, portions of which have potholes. **The roadways on which participants will ride were not designed for bicycling, nor have they been improved in any way to accommodate bicycles or this Activity.**

THE UNITED STATES DEPARTMENT OF ENERGY MAKES NO WARRANTIES AS TO THE SAFETY OR SUITABILITY OF ITS FACILITIES OR ROADS, AND PARTICIPANTS ASSUME ALL RISKS ASSOCIATED WITH THIS ACTIVITY WHETHER OR NOT FORESEEABLE.

In consideration of being permitted to access Department of Energy lands to participate in the bike ride sponsored by Bike Tri-Cities at and near the Manhattan Project National Historical Park on the Hanford Site ("Activity"), I, for myself, my personal representative, assigns, heirs, and next of kin:

1. ACKNOWLEDGE, agree, and represent that I understand the nature of bicycling on uneven and gravel surfaces and that I am qualified, in good health, and in proper physical condition to participate in such Activity.
2. FURTHER ACKNOWLEDGE that the Activity will be conducted over old asphalt or gravel roads with potholes and without shoulders that were not designed for bicycling and further agree and warrant that if, at any time, I believe conditions to be unsafe, I will immediately discontinue further participation in the Activity.
3. AGREE and warrant that for this Activity I will wear a helmet, use a bicycle designed for riding on the type of road described above, remain at all times on the roadway or designated Activity areas, and obey all directions given me as required by the Activity's sponsors and Department of Energy staff, contractors and volunteers, including in the unlikely event of an emergency at the Hanford Site.
4. FULLY UNDERSTAND that (a) BICYCLING ACTIVITIES INVOLVE RISKS AND DANGERS OF SERIOUS BODILY INJURY, INCLUDING PERMANENT DISABILITY, PARALYSIS AND DEATH ("Risks"); (b) these Risks and dangers may be caused by my own actions or inactions, the actions or inactions of others participating in the Activity, the conditions in which the Activity takes place, or THE NEGLIGENCE OF THE "RELEASEES" NAMED BELOW; (c) there may be OTHER RISKS AND SOCIAL AND ECONOMIC LOSSES either not known to me or not readily foreseeable at this time; and I FULLY ACCEPT AND ASSUME ALL SUCH RISKS AND ALL RESPONSIBILITY FOR LOSSES, COSTS, AND DAMAGES I may incur as a result of my participation in the Activity.
5. HEREBY KNOWINGLY AND VOLUNTARILY RELEASE, HOLD HARMLESS AND FOREVER DISCHARGE the U.S. Department of Energy, its employees, its Hanford Site contractors including, but not limited to Mission Support Alliance, LLC and its subcontractors at the Site, their parent companies, successors and assigns, subsidiaries, affiliates, employees, officers, directors and other

representatives (collectively, the "Releasees") from any and all claims, liabilities, demands, and causes of action of every kind whatsoever, known or unknown, fixed or contingent, which I may have against the Releasees as a result of visiting the Hanford Site, whether caused by the negligence of Releasees or otherwise. This includes, but is not limited to, any and all claims for damages, costs, expenses and compensation of any kind, nature or description arising under contract; tort; federal, state, or local laws; or claims growing out of any legal restriction on Releasees' right to permit or restrict visitors at facilities located at the Hanford Site.

I AM 18 YEARS OF AGE OR OLDER, HAVE READ AND UNDERSTAND THE TERMS OF THIS AGREEMENT, UNDERSTAND THAT I AM GIVING UP SUBSTANTIAL RIGHTS BY SIGNING THIS AGREEMENT, HAVE SIGNED IT VOLUNTARILY AND WITHOUT ANY INDUCEMENT OR ASSURANCE OF ANY NATURE AND INTEND IT TO BE A COMPLETE AND UNCONDITIONAL RELEASE OF ALL LIABILITY TO THE GREATEST EXTENT ALLOWED BY LAW. I AGREE THAT IF ANY PORTION OF THIS AGREEMENT IS HELD TO BE INVALID, THE BALANCE, NOTWITHSTANDING, SHALL CONTINUE IN FULL FORCE AND EFFECT.

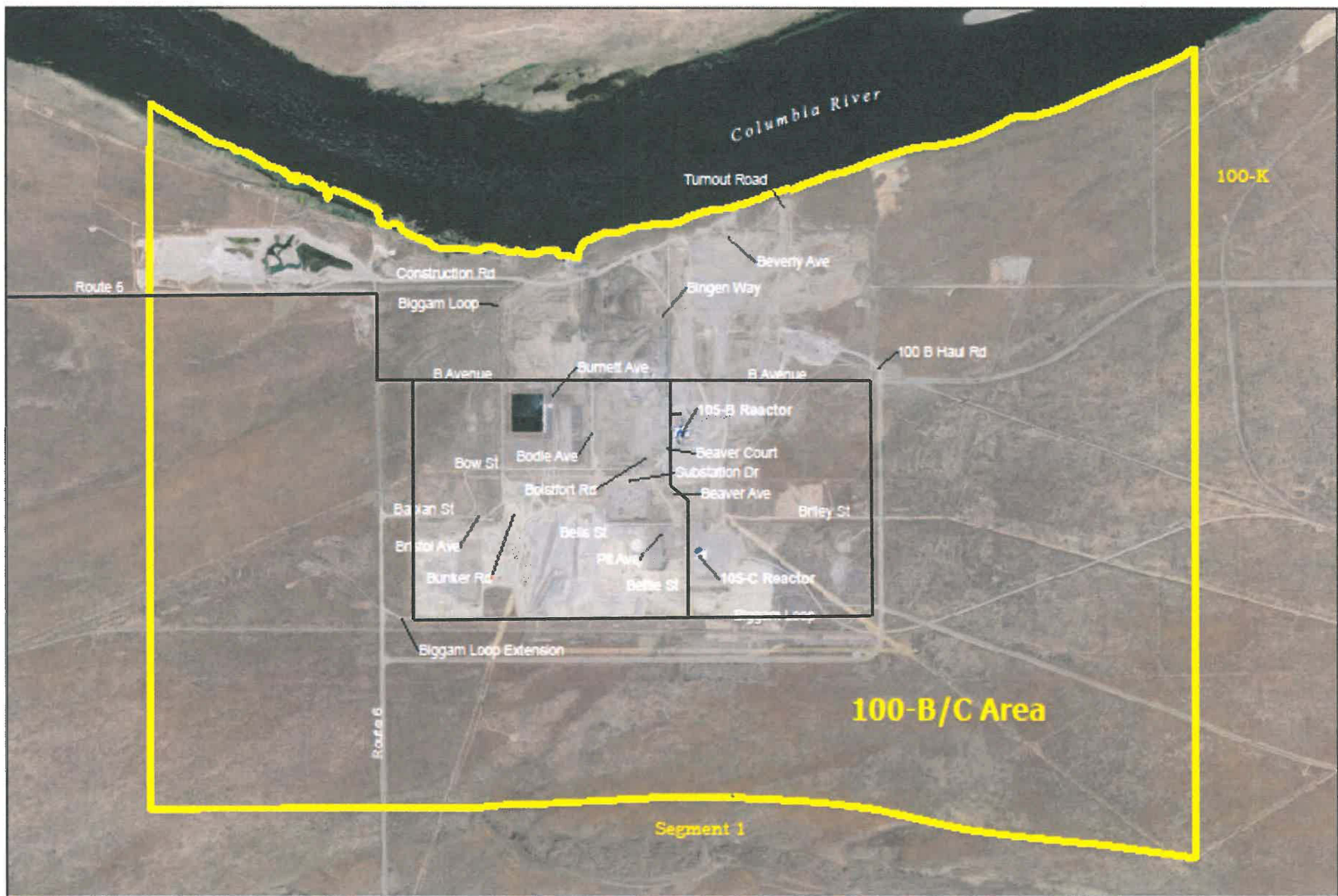
Signature of Participant

Date

Printed Name of Participant

ATTACHMENT 4 – CULTURAL RESOURCES REVIEW

NHPA implementing Regs 36 CFR 800 Protection of Historic Properties	October 2017 B Reactor 13 mile Bike Ride T. 13 N., R. 25 E., Sections 7, 8, 9, 10, 11, 12, 13, 14, and 15	Determination/ Finding
<p>Activity description and location.</p>	<p>Activity description: A controlled public bike ride will be held in October 2017 for up to 150 registered participants. Participants will enter the Hanford Site at Gate 127. MSA employees will staff the gate per the protocol described in the MSA security plan. Drivers will proceed to B Reactor, where they will park in the facility yard with assistance from B Reactor staff. Participants will be reminded not to leave the pavement, and to follow the instructions of blue-shirted B Reactor staff in the event of a site emergency. The bikers will be pedaling on, and staying within, the existing roadway. Temporary gates or cones will block roads not in use for the ride. Badged staff (B Reactor staff and employee volunteers) will be stationed at various points on the route to ensure compliance with the route and rules. The badged staff will park their vehicles in the B Reactor facility yard. The roads are paved, except for a stretch of gravel on Route 6 and have not been improved for the project.</p> <p>The bike ride route (map attached):</p> <ol style="list-style-type: none"> 1) Start at B Reactor, travel west on Route 6. 2) Turn around at Gate 127 and ride east on Route 6. 3) Turn south on Beaver Road. 4) Turn west at Biggam Loop Road and continue as the road bends north. 5) Turn east at Route 6. 6) Turn south at Biggam Loop Road and continue as the road bends west. 7) Turn north on Beaver Avenue and enter the B Reactor yard to complete the ride. <p>A portion of Beaver Avenue is closed to car and truck traffic. If it is not reopened in time for use in the bike ride, DOE will instruct Bike Tri Cities to only use Route 6, Biggam Loop Road, and the portion of Beaver Avenue needed to return riders to the B Reactor yard.</p>	<p>n/a</p>
<p>(a) <i>Establish undertaking.</i> The agency official shall determine whether the proposed Federal action is an undertaking as defined in § 800.16(y)¹ and, if so, whether it is a type of activity that has the potential to cause effects on historic properties.</p>	<ul style="list-style-type: none"> • DOE-RL has jurisdiction of the federal land on which the bike ride route is located. • DOE-RL the lead federal agen. • Many DOE-RL Contractor staff to be located along bike route. • DOE-RL Security and Emergency Preparedness Plan in force • DOE-RL Liability Waiver in force • REI (sponsor) provides technical support for bike problems <p>Historic properties (i.e., evaluated resources determined to be eligible for listing or listed in the National Register of Historic Places) surround and are adjacent to the bike route and B Reactor (e.g., National Historic Landmark and is listed in NR). Route 6 is used by B Reactor tour buses and DOE/Contractor vehicles (Route 6 is potentially eligible for listing in NR). Beaver Road and Biggam Loop Road are used by Hanford workers and government vehicles. Hanford workers and government vehicles will not be driving on the route. Bikers will be within the Park boundary and in compliance with all requirements associated with visiting the Park before and after the ride. Use of existing roads for riding bikes is consistent with routine vehicular use of these same roads throughout the year.</p>	<p>The B Reactor Bike Ride is an undertaking</p> <p>The bike ride undertaking does not have the potential to cause effects on historic properties</p>
<p>¹§ 800.16(y) <i>Undertaking</i> means a project, activity, or program funded in whole or in part under the direct or indirect jurisdiction of a Federal agency, including those carried out by or on behalf of a Federal agency; those carried out with Federal financial assistance; and those requiring a Federal permit, license or approval.</p>		



100-K

100-B/C Area

Segment 1

- 100-B/C Area
- BIKE ROUTE

**2013 Imagery
of the 100-B/C Area**

Source: Hanford Geospatial Information System
As of date: 5/20/2015



NHPA Regulations 36 CFR 800 Protection of Historic Properties	<p align="center">October 2017 B Reactor 13 mile Bike Ride T. 13 N., R. 25 E., Sections 7, 8, 9, 10, 11, 12, 13, 14, and 15 National Historic Preservation Act Determination September 11, 2017</p>	Determination/ Finding
Activity description and location.	<p>A controlled public bike ride will be held in October 2017 for up to 150 registered participants. Participants will enter the Hanford Site at Gate 127. MSA employees will staff the gate per the protocol described in the MSA security plan. Drivers will proceed to B Reactor, where they will park in the facility yard with assistance from B Reactor staff. Participants will be reminded not to leave the pavement, and to follow the instructions of blue-shirted B Reactor staff in the event of a site emergency. The bikers will be pedaling on, and staying within, the existing roadway. Temporary gates or cones will block roads not in use for the ride. Badged staff (B Reactor staff and employee volunteers) will be stationed at various points on the route to ensure compliance with the route and rules. The badged staff will park their vehicles in the B Reactor facility yard. The roads are paved, except for a stretch of gravel on Route 6 and have not been improved for the project. A portion of Beaver Avenue is closed to car and truck traffic. If it is not reopened in time for use in the bike ride, DOE will instruct Bike Tri Cities to only use Route 6, Biggam Loop Road, and the portion of Beaver Avenue needed to return riders to the B Reactor yard.</p> <p>The bike ride route (map attached):</p> <ol style="list-style-type: none"> 1) Start at B Reactor, travel west on Route 6. 2) Turn around at Gate 127 and ride east on Route 6. 3) Turn south on Beaver Road. 4) Turn west at Biggam Loop Road and continue as the road bends north. 5) Turn east at Route 6. 6) Turn south at Biggam Loop Road and continue as the road bends west. 7) Turn north on Beaver Avenue and enter the B Reactor yard to complete the ride. 	n/a
<p>(a) <i>Establish undertaking.</i> The agency official shall determine whether the proposed Federal action is an undertaking as defined in § 800.16(y)¹ and, if so,</p> <p>whether it is a type of activity that has the potential to cause effects on historic properties.</p>	<ul style="list-style-type: none"> • DOE-RL has jurisdiction of the federal land on which the bike ride route is located. • DOE-RL the lead federal agency. • Many DOE-RL Contractor staff to be located along bike route. • DOE-RL Security and Emergency Preparedness Plan in force • DOE-RL Liability Waiver in force <p>Historic properties (i.e., evaluated resources determined to be eligible for listing or listed in the National Register of Historic Places) surround and are adjacent to the bike route and B Reactor (e.g., National Historic Landmark and is listed in NR). Route 6 is used by B Reactor tour buses and DOE/Contractor vehicles (Route 6 is potentially eligible for listing in NR). Beaver Road and Biggam Loop Road are used by Hanford workers and government vehicles. Hanford workers and government vehicles will not be driving on the route. Bikers will be within the Park boundary and in compliance with all requirements associated with visiting the Park before and after the ride. Use of existing roads for riding bikes is consistent with routine vehicular use of these same roads throughout the year.</p>	<p>The B Reactor Bike Ride is an undertaking</p> <p>The bike ride undertaking does not have the potential to cause effects on historic properties</p>
<p>¹§ 800.16(y) <i>Undertaking</i> means a project, activity, or program funded in whole or in part under the direct or indirect jurisdiction of a Federal agency, including those carried out by or on behalf of a Federal agency; those carried out with Federal financial assistance; and those requiring a Federal permit, license or approval.</p>		

October 2017 B Reactor 13 mile Bike Ride Route



- Leg 1 - B Reactor to Beaver Ave. to B Ave. to Route 6**
- Leg 2 - Route 6 to B Ave. to Biggam Loop Road to B Ave.**
- Leg 3 - B Ave. to Biggam Loop Road to Beaver Ave. to B Reactor**