DECOMMISSIONING PLAN
FOR L901 & L903 PIPELINES

SANTA BARBARA COUNTY, CA

Prepared for:

Plains Pipeline, LP
333 Clay Street, #1600
Houston, TX 77002

Prepared by:

SCS ENGINEERS
2370 Skyway Drive, Suite 101
Santa Maria, CA 93455
(805) 346-6591

November 22, 2017
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1.0 PROJECT INFORMATION

A. Name, address, and contact information for the permittee.

Plains Pipeline, L.P.
333 Clay Street #1600
Houston, TX 77002

B. Name, address, and general description of the permitted land use.

Please refer to Attachments A.4 and A.5 for the parcel listing with owners and addresses as well as the Project Description for more detail. The existing land use on the parcels is a series of two (2) pipelines, Line 901 and Line 903, approximately 122.9 miles in length, which transport crude oil from the Las Flores Pump Station to the Pentland Delivery Point. The existing pipelines are 24 inches and 30 inches in diameter, respectively, and commenced operations in the early 1990s. There are eighteen (18) existing valve locations along the pipeline route.

C. Gross and net acreage and boundaries of the subject property.

Please refer to Attachment A.5 for the parcel listing with parcel acreage described, Attachment A.7 for assessor parcel maps, and Attachment B.2 for site plans that display parcel boundaries.

2.0 DEMOLITION AND ABANDONMENT DETAIL

D. Location of all structures, above and underground, proposed to be removed.

At this time, Plains is proposing that the majority of the existing pipeline (approximately 99%) be abandoned in place. Currently there are only two planned exceptions to this abandonment process. There are approximately 3,471 linear feet of the existing pipeline which would be repurposed as casing for locations where the smaller diameter replacement pipelines travel under paved roadways, etc. Additionally, there are approximately 9,500 linear feet of the existing pipeline which would be removed and not replaced due to planned route changes, see Section P for more detail.

Although abandonment is Plains’ preferred option, where required by agreement with private landowners, permit conditions, or for technical reasons, some pipeline segments may be removed. For example, approximately 117 parcels of the total 257 parcels which are currently transected by the existing pipelines have a right-of-way clause which gives the property owner the option of requiring pipeline removal instead of abandonment in-place. Should all such property owners invoke that option, approximately 77.8 miles
(63%) of pipeline would be removed. The lateral extent of surface impacts, such as vegetation and top soil disturbance, associated with pipeline removal is not expected to exceed the limits of the *Temporary Construction Corridor* needed for replacement pipeline installation. However, removal of the existing pipelines, versus abandonment in-place, would result in a larger subsurface grading volume as such removal requires the excavation of a benched trench over the entire pipeline length. A conservatively high estimate of grading volumes for removing the entire pipeline are approximately 3,138,751 cubic yards of cut and 3,766,502 cubic yards of fill (see Attachment B.9). Table 1 summarizes the grading requirements for each construction and abandonment scenario.

### Table 1 - Summary of Grading for Pipeline Removal/Abandonment Activities

<table>
<thead>
<tr>
<th>SCENARIO</th>
<th>CUT</th>
<th>FILL</th>
<th>NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>New Pipeline Installation and Existing Pipeline Abandonment (Proposed Project)</td>
<td>1,249,684 cubic yards</td>
<td>1,499,621 cubic yards</td>
<td>Includes pipeline installation, abandonment in place of existing pipelines, and slurry injection access points every ½ mile along pipeline route.</td>
</tr>
<tr>
<td>New Pipeline Installation &amp; Removal of Existing Pipeline</td>
<td>3,726,384 cubic yards</td>
<td>4,471,661 cubic yards</td>
<td>Does not include estimates for removing pipeline under homes within City of Buellton.</td>
</tr>
<tr>
<td>Removal of Existing Pipeline Only</td>
<td>3,138,751 cubic yards</td>
<td>3,766,502 cubic yards</td>
<td>No new pipeline installation included in this estimate. Does not include estimates for removing pipeline under homes within City of Buellton.</td>
</tr>
</tbody>
</table>

Sixteen (16) out of eighteen (18) existing valve locations would be retained and repurposed with new equipment suitable for the change in pipeline diameter associated with the replacement pipeline system. Two (2) existing valve stations (check valves 1-300 and 3-1200) would be permanently removed and not replaced. Valve station 1-300 is located along the existing pipeline route approximately 1.8 miles south of the Las Flores Pump Station and valve station 3-1200 would be replaced by the proposed Russell Ranch Pump Station. Both valve stations consist solely of below-grade check valves, therefore no surface equipment exists onsite at either location. Excavation to remove these check valves would consist of an approximate twenty (20) foot by twenty-five (25) foot access pit.

The existing Valve Station 1-300 is located within a segment of the pipeline corridor that is proposed to be bored to avoid sensitive environmental resources. Since the *Temporary Construction Corridor* does not overlay this segment of pipeline, disturbance needed to remove the valve would be as minimal as possible and would only include the access pit as described above. Restoration work is described in Section P below. Valve Station 3-1200 is located within the footprint of the proposed Russell Ranch Pump Station and therefore would be developed with facilities as described in the Project Description.
E. Location of all structures, above and underground, proposed to remain in-place.

Where technically feasible and allowed by agreement with private landowners and permits issued by public agencies, and subject to engineering requirements, the 122.9 miles (99%) of existing Line 901 and 903 pipeline segments would be abandoned in-place. In most instances the abandonment of the existing pipelines in-place would minimize total below grade excavation during construction.

Please refer to Attachments B.4 and B.5 for the location of all structures to remain in place. These structures include:

- Existing pipeline sections repurposed for casing/sleeving of the new, smaller diameter replacement pipelines at several highway/road crossings (refer to Attachment B.4).
- Existing pump stations at Las Flores Canyon, Gaviota, Sisquoc, and the Pentland Delivery Point.
F. Location of all utilities on the subject property.

Due to the relatively remote nature of the pipeline systems, the presence of major public utilities within the Project vicinity is minimal. Exceptions include:

- A SoCal gas pipeline located parallel to Line 901 along the Gaviota Coast.
- Utilities which underlie Highway 246 and smaller residential streets near the City of Buellton.
- Miscellaneous aboveground powerlines.

The approximate location of power lines and select utilities in the vicinity of the pipeline route are mapped in Attachments B.4 and B.4.a. Additional utilities will be added to the project plans as the project design is further refined.

G. Location of all easements on or adjacent to the subject property that may be affected by demolition or reclamation.

Easements associated with some major utility infrastructure (i.e. SoCal gas pipeline) have been mapped in Attachments B.4 and B.4.a. Additional private easements will be identified and mapped as part of the ongoing landowner consent process.

3.0 DECOMMISSIONING PLAN

L. A proposed decommissioning plan that details the activities involved in removing structures from the site, including the following details: estimated number of workers required on site to decommission facilities and structures, disposition of equipment and structures proposed for decommissioning, projected method of transporting equipment, structures, and estimated debris from the site to the place of disposition as well as the number of trips required, and an estimated schedule for decommissioning the facilities.

As previously discussed, the Project does not entail the decommissioning or demolition of significant above-ground facilities. Therefore, Project decommissioning would primarily entail either abandonment of the existing pipeline systems in-place, as currently proposed by Plains, or pipeline removal. Refer to Attachment B.9, Detailed Construction Description, for additional information regarding either decommissioning scenario.

M. A proposed waste-management plan to maximize recycling and minimize wastes.

Plains would adhere to all local, Federal, and State regulations encompassing waste management of impacted materials or hazardous materials intended for disposal. Plains would conduct waste sampling, perform waste evaluations, and determine hazardous waste regulatory limits. Additionally, Plains would ensure the proper storage, labeling, handling, and employee training required for managing impacted materials would be completed for this Project. Plains promotes waste minimization in the form of source reduction, reuse, and recycling as opposed to disposal whenever technically and economically feasible. Local and regional waste regulations vary based on geographical
areas. Therefore, review and verification of a designated disposal facility’s waste acceptance policies is performed by Plains personnel. This validation step is performed prior to off-site shipment and disposal of any oil impacted or contaminated wastes. Plains maintains contracts with Clean Harbors, Buttonwillow CA (solids) and DeMenno Kerdoon, Compton CA (liquids) for managing most types of hazardous waste generated in the crude oil transportation sector. Both are State licensed and permitted Transportation, Storage and Disposal Facilities.

Any metal piping, valves, or support structures no longer needed would be cleaned within a containment area to remove any free oil. The pipe ends and valves would be sealed with plastic sheeting and subsequently loaded into roll-off bins or flat-bed trailers and shipped to local metal recycling facilities. Any asphalt or concrete generated from the proposed pipeline replacement project would be shipped to local aggregate recycling facilities assuming the recyclable material meets the facilities acceptance policies.

N. Other permit applications that may be required by the County Code to retain any existing structures, roadways, and other improvements to the property that were ancillary to the oil or gas operations and are proposed to be retained to support other existing or proposed uses of the property following abandonment of the oil and gas operations.

A Development Plan has been submitted to the County (17DVP-00000-00010) which includes detail on structures to be retained despite the abandonment activities.

O. A proposed grading and drainage plan.

Please refer to Attachment B.5 for the proposed grading and drainage plans.

P. A proposed plan to convert the site to natural condition or convert to other proposed land use, including a detailed schedule for restoring the site. In the latter case, include other applicable permit applications required, if any, for the proposed land use.

All sections of pipeline right-of-way that are not being utilized for new pipeline construction would be restored to match surrounding conditions. This includes approximately 9,500 feet of pipeline corridor for three (3) planned deviations, see Table 2 below. Sections of existing pipeline underlying creeks where boring is now proposed would be abandoned in-place to limit disturbance to the environment. Restoration activities are detailed in Attachment C.1, the Biological Resources Assessment.

After existing pipeline abandonment or removal has been completed, all existing equipment pads and access roads related to valves and pump stations would be repurposed for use with the replacement pipeline system. Although two existing valves are being removed, those valves are subgrade check valves and thus have no graded equipment pads, access roads, or similar site conditions that require restoration, as described in Section D above. Additionally 120.4 miles (98%) of the existing pipeline right-of-way would be repurposed as the Permanent Maintenance Corridor for the replacement pipelines. In these areas, restoration would consist of the top soil
replacement and recontouring of the *Temporary Construction Corridor*. Approximately 2.5 miles (2%) of the existing pipeline Right-of-Way would be abandoned as a result of the planned re-routes around the City of Buellton and other sensitive environmental resources. Those areas of right-of-way abandonment would be restored as summarized below:

**Table 2 - Summary of Restoration Activities**

<table>
<thead>
<tr>
<th>DESCRIPTION OF RESTORATION ACTIVITY</th>
<th>Gaviota Reroute 1 (081-230-021)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Pipeline Abandoned In-Place</strong></td>
<td>No restoration required. Existing right-of-way is disturbed annual grassland consistent with surrounding habitat used for grazing. Abandonment in-place would not require site disturbance, vegetation removal, or grading in this reroute location.</td>
</tr>
<tr>
<td><strong>Pipeline Removed</strong></td>
<td>After pipeline removal has occurred, the benched trench would be backfilled, contoured, and compacted to match surrounding terrain. The disturbed area would then be hydroseeded with a mix of species that matches the surrounding disturbed annual grassland.</td>
</tr>
</tbody>
</table>
DESCRIPTION OF RESTORATION ACTIVITY

Valve 1-300 Removal (081-230-021)

| Valve Removal | Check valve 1-300 is located along a section of pipeline that would be abandoned in place. The proposed pipeline would be bored in this corridor and the check valve would not be replaced. The check valve is located below grade and no surface equipment exists onsite. The valve would be exposed via a 20x25 foot excavation and removed. In order to reduce impacts to sensitive environmental resources, work proposed to remove the valve would be as minimal as possible and disturbance would only include the access pit. Upon removal of the equipment, the access pit would be backfilled, contoured, and compacted to match surrounding terrain. The disturbed area would then be hydroseeded with a mix of species that matches the surrounding disturbed annual grassland and purple sage scrub. |

![Image of proposed pipeline corridor, access pit, and temporary construction corridor]
### DESCRIPTION OF RESTORATION ACTIVITY

**Gaviota Reroute 2 (081-130-075 and 081-130-076)**

<table>
<thead>
<tr>
<th>Pipeline Abandoned In-Place</th>
<th>No restoration required. Existing right-of-way is disturbed annual grassland consistent with surrounding habitat used for grazing. Abandonment in-place would not require site disturbance, vegetation removal, or grading in this reroute location.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pipeline Removed</td>
<td>After pipeline removal has occurred, the benched trench would be backfilled, contoured, and compacted to match surrounding terrain. The disturbed area would then be hydroseeded with a mix of species that matches the surrounding vegetation types including disturbed annual grassland, coastal sage scrub, coyote brush scrub, and California sycamore woodlands. If removal of mature oak trees is required, replacement oak seedlings would be planted along the periphery of the adjacent oak woodland. Any trenching or cutting required of paving along Mariposa Reina Road would be repaired.</td>
</tr>
</tbody>
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![Proposed Pipeline Corridor](Plains2017SBC-1_0003553)

- **Proposed Pipeline Corridor**
- **Existing Pipeline Corridor**
- **Temporary Construction Corridor**
DESCRIPTION OF RESTORATION ACTIVITY


| Pipeline Abandoned In-Place | Check valve 2-900 along the abandoned portion of the pipeline would be exposed via an excavation approximately 20x25 feet in size. The valve would be removed and excavation site backfilled, recontoured, and recompacted to match surrounding terrain. This disturbed area would then be reseeded/replanted to match surrounding annual grassland and coastal sage scrub. No additional restoration required. Abandonment in-place would not require site disturbance, vegetation removal, or grading in the remainder of this reroute location. |
| Pipeline Removed | Check valve 2-900 along the abandoned portion of the pipeline would be exposed via an excavation approximately 20x25 feet in size. The valve would be removed and excavation site backfilled, recontoured, and recompacted to match surrounding terrain. This disturbed area would then be reseeded/replanted to match surrounding annual grassland and coastal sage scrub. After pipeline removal has occurred, the benched trench would be backfilled, contoured, and compacted to match surrounding terrain. The disturbed area would then be hydroseded with a mix of species that matches the surrounding annual grassland, red willow and arroyo thickets, coastal sage scrub, and oak woodland. If removal of mature trees is required, replacement seedlings would be planted in appropriate locations to restore habitat back to its previous condition. Even in a pipeline removal scenario, Plains does not propose to remove pipeline sections which directly underlie the Santa Ynez River channel, the City of Buellton’s River Park facilities (i.e. parking lot, access road, and recreational field), single-family residential parcels, and associated public roads or highways. If cultivated agricultural areas are disturbed, the trench would be backfilled, stockpiled top soil replaced, and agricultural activity would resume. |

*North Proposed Pipeline Corridor Abandoned In- Place Removed/ Restored Abandoned In- Place Removed/ Restored*
Q. A statement of intent regarding the disposition of utilities that served the oil and gas operations, including fire protection, power, sewage disposal, transportation, and water.

   All existing facilities, such as the Las Flores and Sisquoc Pump Stations as well as various valve stations, which are currently served with utilities (i.e. electrical power or fire water) are being repurposed for use as part of the replacement pipeline system. Portions of the existing pipeline system that are being abandoned or removed such as certain pipeline segments and two (2) check valves have no existing utility infrastructure.

R. Measures proposed to be used to prevent or reduce nuisance effects (e.g., dust, fumes, glare, noise, odor, smoke, traffic congestion, vibration) and to prevent danger to life and property.

   Nuisance effects such as noise, vibration, and traffic congestion would be mitigated as a component of the replacement pipeline construction. Examples include but are not limited to the use of water trucks for dust suppression, specified work hours/days to limit nighttime noise, and the cleaning of the existing pipeline to remove remnant oil to limit odors. The primary measure to further limit nuisance effects is the request to abandon the majority of the existing pipeline system in-place thereby significantly reducing heavy equipment usage, trucking of pipeline segments out of the Project area, trucking supplemental fill dirt into the Project area, etc.

S. Any other information deemed necessary by the Director to address site-specific factors.

   Not applicable unless additional factors are identified by the Director.