

ROUTING AND TRANSMITTAL SLIP		ACTION	
<small>(Name, office symbol or location)</small> Collins, Chief, ETSB -932	INITIALS	CIRCULATE	
	DATE	COORDINATION	
	INITIALS	FILE	
	DATE	INFORMATION	
Packet Nos. 50-289/320	INITIALS	NOTE AND RETURN	
	DATE	PER CONVERSATION	
THREE MILE ISLAND 1&2 APPENDIX I EVALUATION	INITIALS	SEE ME	
	DATE	SIGNATURE	

REMARKS

The attached information is needed to do our cost/benefit analysis, which was originally requested but has not been received.

Do NOT use this form as a RECORD of approvals, concurrences, disapprovals, clearances, and similar actions

<small>(Name, office symbol or location)</small> Congel, Leader, RIS/RAB/DSE	DATE	9/20/76
	PHONE	27955

OPTIONAL FORM 41
 MARCH 1967
 GSA FPMR (41CFR) 101-11.204

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1. If there is a prior knowledge that the current 50 mile population, age distribution may be significantly different from the U.S. population distribution, then furnish the current age distribution of the 50 mile population (e.g., 0-12, 12-18, >18).
2. Provide in tabular form, the distances from the centerline of the first operational reactor for each of the sixteen sectors described in Section 2.1.3 of R.G. 4.2, Rev. 1, to the nearest vegetable garden (greater than 500 ft²) out to a distance of 5 miles.
3. Tabulate, for each compass point sector radiating from the center of the plant, the location of the nearest existing milk producing animals (cows and goats) within 5 miles of the site.
4. Provide data on annual meat (kg/yr), milk (liters/yr) and truck farming production (kg/yr) and distribution within a 50 mile radius from the reactor. Provide the data by sectors in the same manner indicated in Sections 2.1.3.1 and 2.1.3.2 of R.G. 4.2, Rev. 1.
5. Furnish information on type, quantity and yield (kg/m²) of crops grown.
6. Provide information on grazing season (give dates), feeding regimes for cattle (such as grazing practices, green chop feeding, corn & grass silage feeding and hay feeding) pasture grass density (kg/m²) and yield statistics (kg/m²) for harvested forage crops for beef and dairy cattle feeding.
7. Determine and indicate in tabular format the present and projected commercial fish and shellfish catch (in lbs/yr) from contiguous waters within 50 miles of the plant discharge. Report the catch by total landings and by principal species, indicating the relative amounts used as human food. Indicate the location of principal fishing areas and ports of landing associated with these contiguous waters and relate these locations to harvest by species.

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Indicate the relative amounts consumed locally. Determine and tabulate the present and projected recreational fish and shellfish harvest from these waters in the same format, also indicating principal fishing areas and their yield by species. As above, indicate the relative amounts consumed locally. Include any harvest and use of seaweed, other aquatic life, or any vegetation used as human food from these waters. Identify and describe any fish farms or similar aquatic activity within the 50-mile area utilizing water that may reasonably be affected by the power plant discharge. Indicate the species and production from each of these facilities and indicate the relative amounts consumed locally.

8. Identify any additional exposure pathways specific to the region around the site which could contribute 10% or more to either individual or population doses.
9. Annual Population Doses - Calculate, using the information provided in response to questions 1-8 above and any other necessary supporting data, the annual total-body man-rem and the annual man thyroid-rem to the population expected to reside in the 50 mile region at the midpoint of plant operation as well as the annual total body man-rem and the annual man thyroid-rem received by the U.S. population at the same time from all liquid and gaseous exposure pathways. Provide as an appendix to your response a description of the models and assumptions used in these calculations.

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